

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018406.D
 Acq On : 23 Sep 2020 11:26
 Operator : SY/MD
 Sample : VSTD10062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100304

Quant Time: Sep 24 07:19:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 07:11:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	297011	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	294952	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	163764	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	180975	95.54	ug/L	0.00
7) Chloroethane-d5	1.58	69	154797	95.12	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	377949	96.24	ug/L	0.00
21) 2-Butanone-d5	3.91	46	276034	197.32	ug/L	0.00
24) Chloroform-d	4.38	84	384719	97.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	243682	96.18	ug/L	0.00
32) Benzene-d6	5.08	84	750938	96.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	242184	98.08	ug/L	0.00
41) Toluene-d8	7.34	98	707380	97.05	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	127292	100.06	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	208789	210.01	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.24	84	319523	99.32	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.65	152	306846	98.28	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	202531	93.344	ug/L 99
3) Chloromethane	1.25	50	225608	94.440	ug/L 99
5) Vinyl chloride	1.32	62	232644	94.672	ug/L 99
6) Bromomethane	1.53	94	147430	95.446	ug/L 99
8) Chloroethane	1.60	64	147118	94.807	ug/L 100
9) Trichlorofluoromethane	1.76	101	331347	94.260	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	203360	94.378	ug/L 100
12) 1,1-Dichloroethene	2.13	96	193575	95.167	ug/L 99
13) Acetone	2.19	43	295413	175.090	ug/L 99
14) Carbon disulfide	2.31	76	558333	95.805	ug/L 100
15) Methyl Acetate	2.45	43	210596	97.366	ug/L 99
16) Methylene chloride	2.52	84	214825	96.024	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	200607	95.630	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	637597	98.888	ug/L 99
19) 1,1-Dichloroethane	3.21	63	383558	96.070	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	222471	98.489	ug/L 99
22) 2-Butanone	3.99	43	346501	191.844	ug/L 100
23) Bromochloromethane	4.28	128	115404	96.489	ug/L 94
25) Chloroform	4.40	83	387382	95.316	ug/L 99
27) 1,2-Dichloroethane	5.15	62	300458	95.583	ug/L 100
29) Cyclohexane	4.70	56	352863	98.332	ug/L 100
30) 1,1,1-Trichloroethane	4.64	97	344406	95.526	ug/L 99
31) Carbon tetrachloride	4.86	117	302775	96.568	ug/L 100
33) Benzene	5.13	78	851708	96.263	ug/L 100
34) Trichloroethene	5.94	95	226643	96.048	ug/L 99
35) Methylcyclohexane	6.16	83	362376	97.283	ug/L 99
37) 1,2-Dichloropropane	6.20	63	227393	95.094	ug/L 100
38) Bromodichloromethane	6.53	83	294146	97.369	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	364576	100.637	ug/L 99
40) 4-Methyl-2-pentanone	7.24	43	569483	199.523	ug/L 99

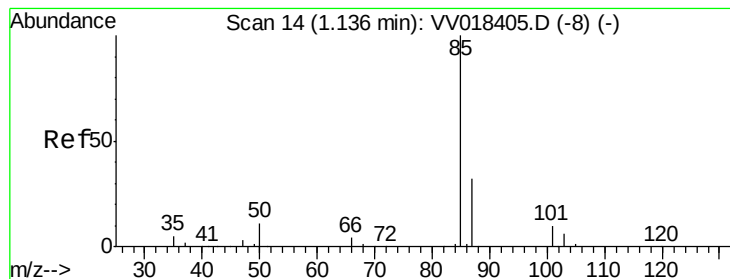
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 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 07:11:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	922893	96.360	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	354009	98.892	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	211499	96.336	ug/L	99
46) Tetrachloroethene	8.00	164	182061	95.179	ug/L	98
48) 2-Hexanone	8.16	43	476326	193.041	ug/L	100
49) Dibromochloromethane	8.27	129	240003	97.607	ug/L	99
50) 1,2-Dibromoethane	8.37	107	223263	97.420	ug/L	99
51) Chlorobenzene	8.90	112	593681	96.407	ug/L	99
52) Ethylbenzene	9.03	91	1034795	98.398	ug/L	100
53) m,p-Xylene	9.16	106	390106	98.009	ug/L	99
54) o-Xylene	9.57	106	377300	98.813	ug/L	97
55) Styrene	9.58	104	671425	98.314	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	319703	98.384	ug/L	99
59) Bromoform	9.75	173	181879	101.134	ug/L	99
60) Isopropylbenzene	9.95	105	1030969	98.544	ug/L	99
61) 1,2,3-Trichloropropane	10.29	75	267549	97.228	ug/L	100
62) 1,3,5-Trimethylbenzene	10.56	105	873390	99.690	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	899880	99.784	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	500708	97.210	ug/L	99
65) 1,4-Dichlorobenzene	11.29	146	511070	96.516	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	497074	96.949	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.45	75	73685	103.221	ug/L	96
69) 1,3,5-Trichlorobenzene	12.67	180	400139	98.438	ug/L	100
70) 1,2,4-trichlorobenzene	13.28	180	375027	100.616	ug/L	99
71) Naphthalene	13.52	128	1066745	106.360	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	376439	101.275	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 93.344 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

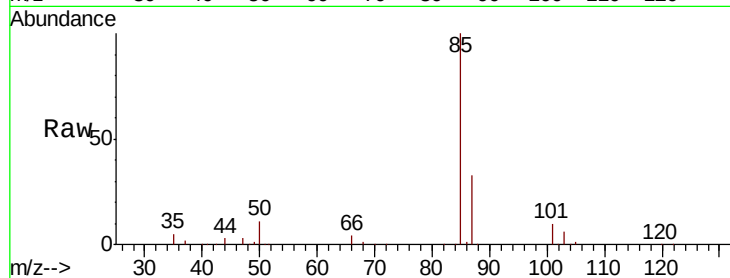
VSTD100304

Tot Ion: 85 Resp: 202531

Ion Ratio Lower Upper

85 100

87 32.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

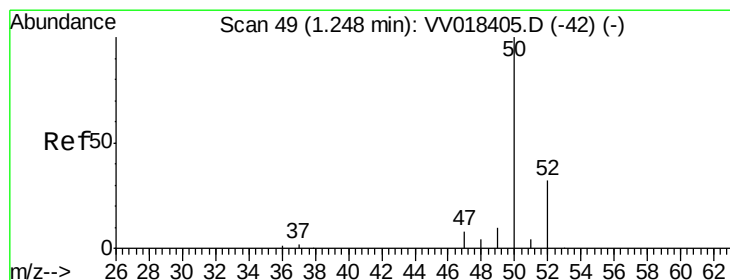
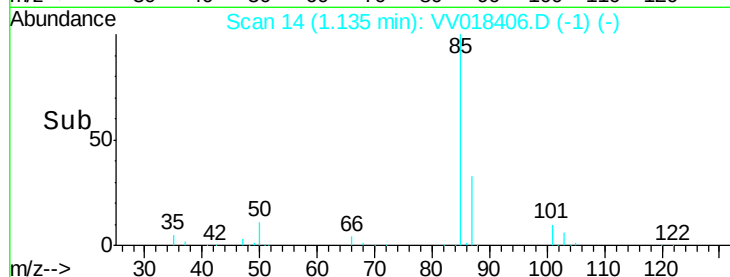
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 94.440 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018406.D

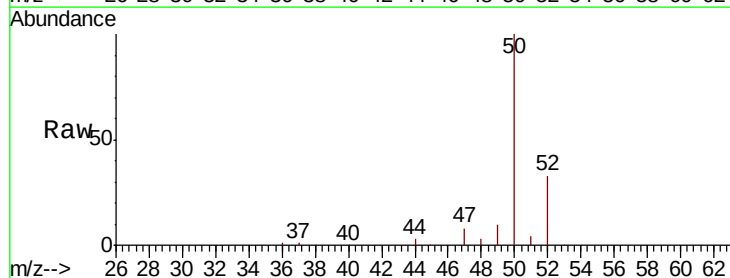
Acq: 23 Sep 2020 11:26

Tgt Ion: 50 Resp: 225608

Ion Ratio Lower Upper

50 100

52 33.0 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

250000

200000

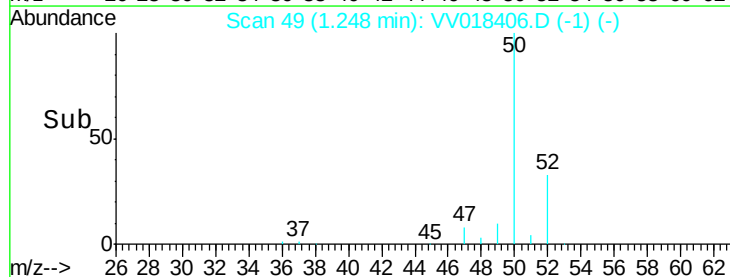
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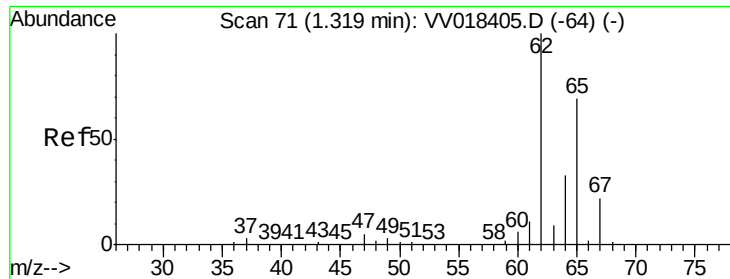
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 94.672 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleID :

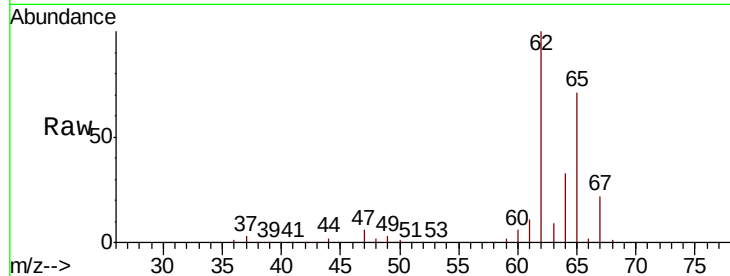
VSTD100304

Tot Ion: 62 Resp: 232644

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

250000

200000

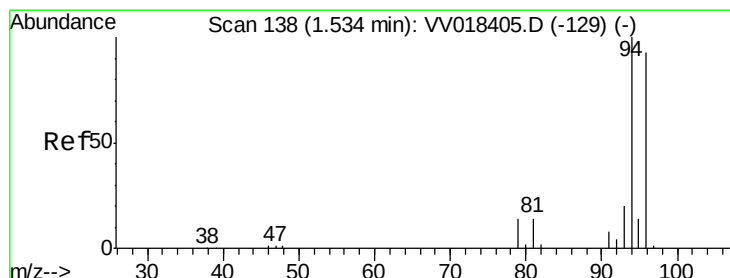
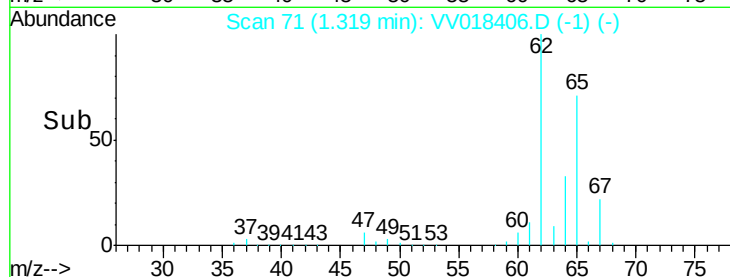
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 95.446 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018406.D

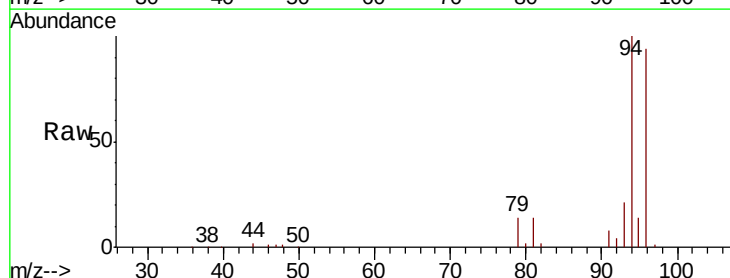
Acq: 23 Sep 2020 11:26

Tgt Ion: 94 Resp: 147430

Ion Ratio Lower Upper

94 100

96 94.3 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

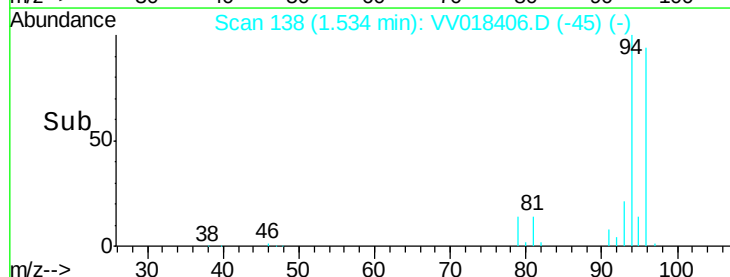
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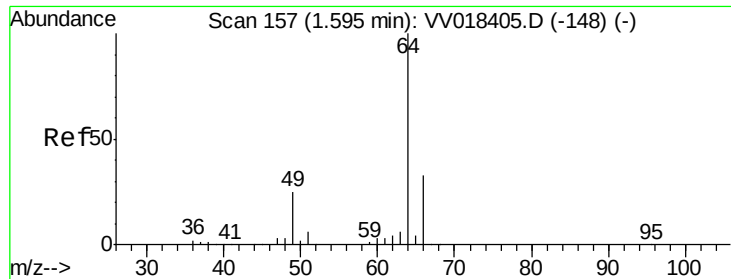
100000

50000

0

Time--> 1.45 1.50 1.55 1.60 1.65

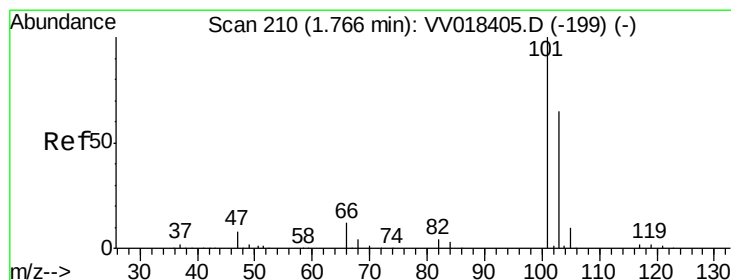
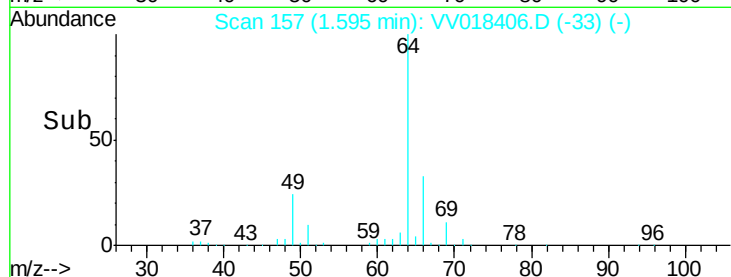
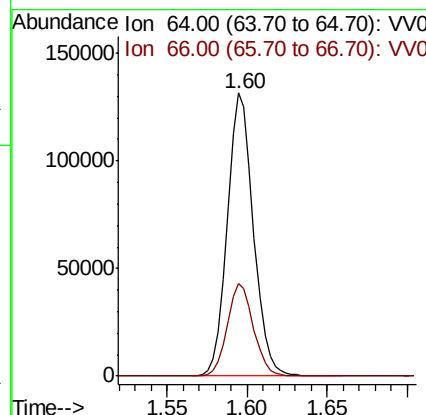
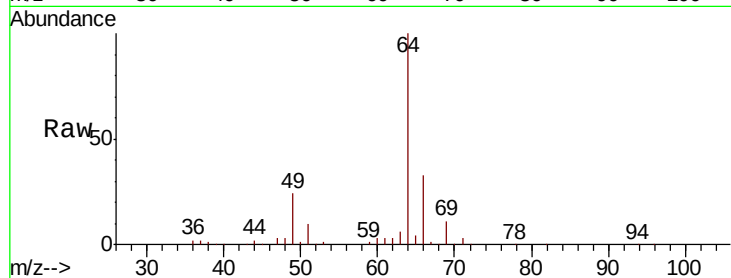




#8
 Chloroethane
 Concen: 94.807 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

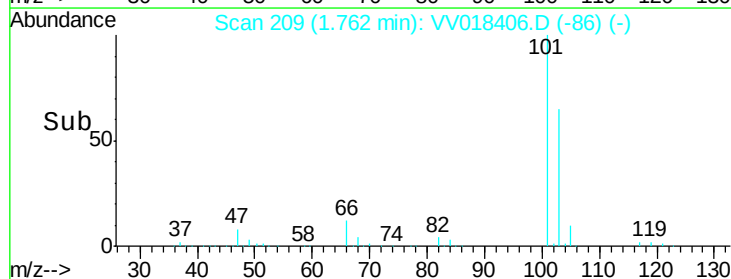
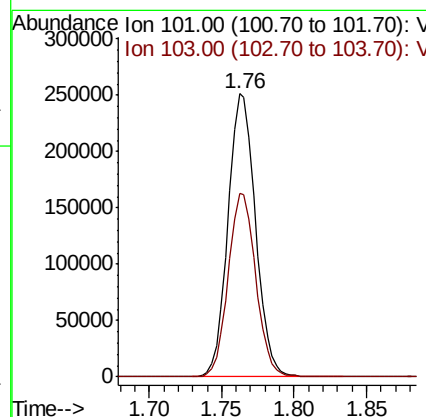
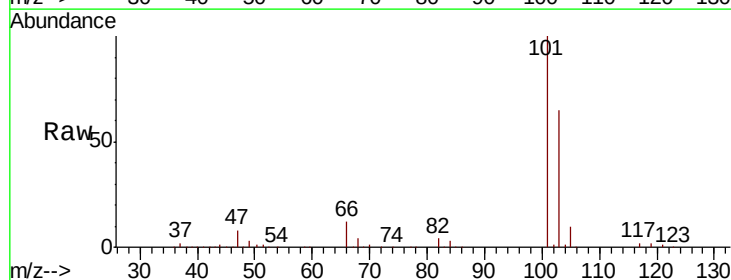
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100304

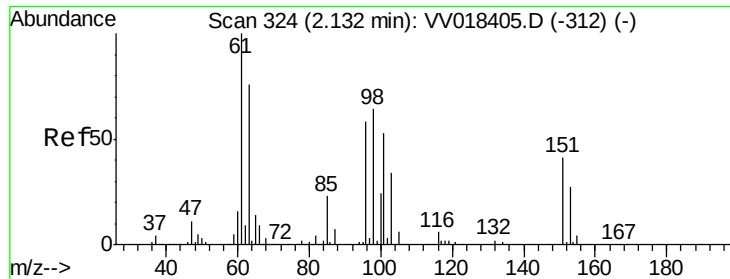
Tot Ion: 64 Resp: 147118
 Ion Ratio Lower Upper
 64 100
 66 32.7 23.0 42.6



#9
 Trichlorofluoromethane
 Concen: 94.260 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

Tgt Ion:101 Resp: 331347
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 94.378 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100304

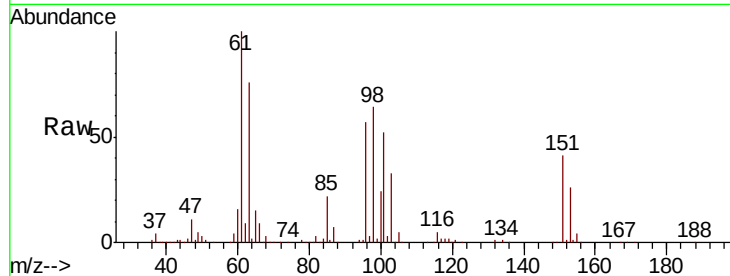
Tot Ion:101 Resp: 203360

Ion Ratio Lower Upper

101 100

85 42.6 34.6 51.8

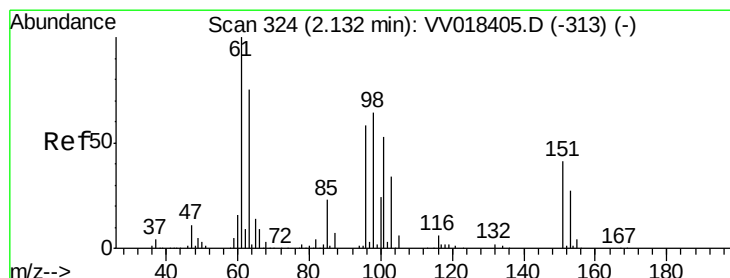
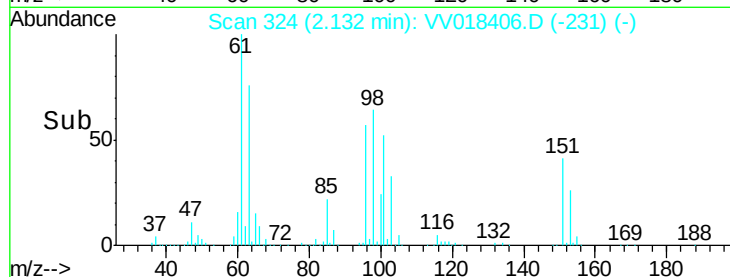
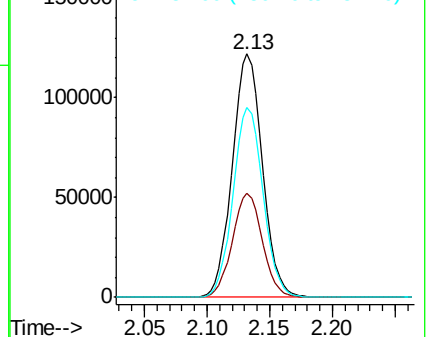
151 78.0 62.4 93.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 95.167 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

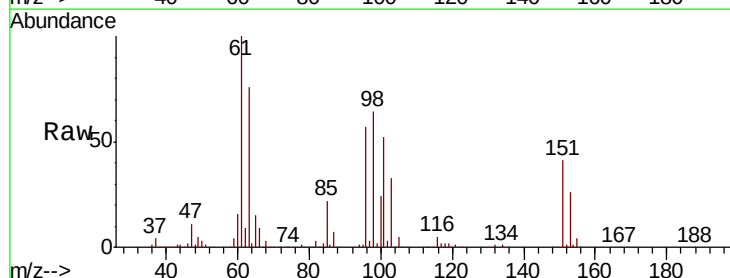
Tgt Ion: 96 Resp: 193575

Ion Ratio Lower Upper

96 100

61 174.2 121.0 224.8

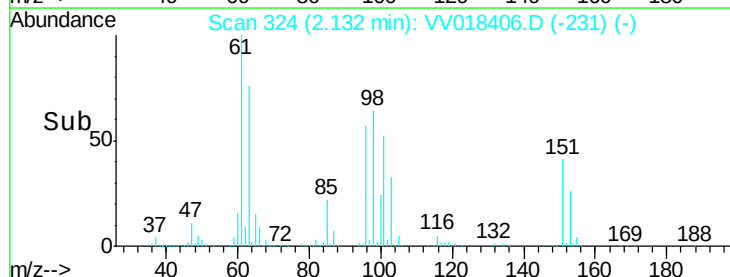
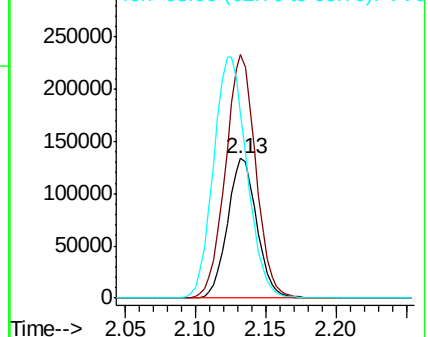
63 132.5 93.0 172.6

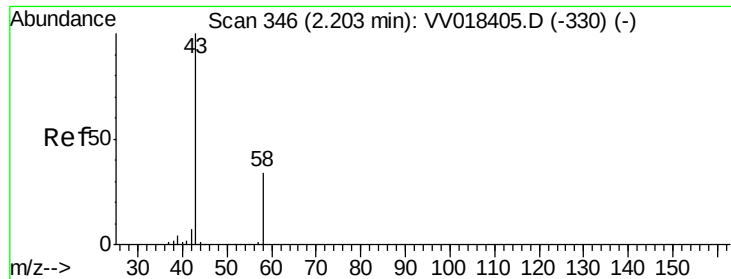


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

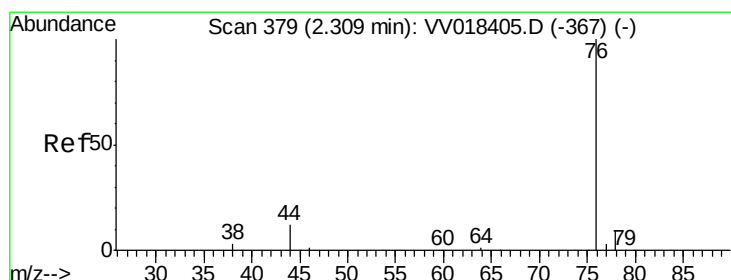
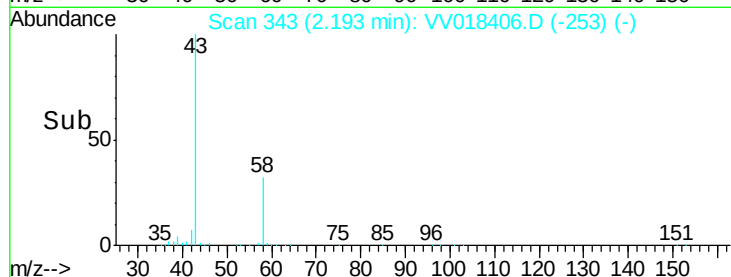
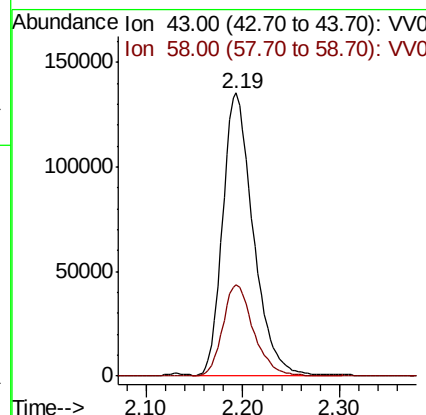
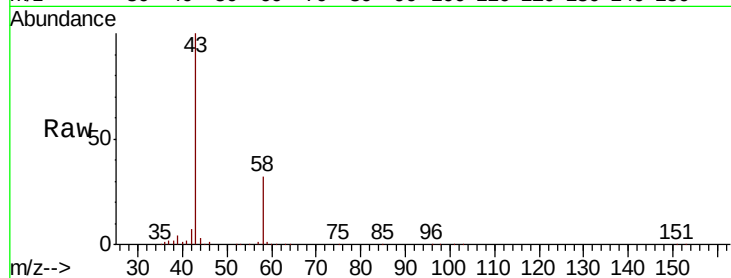




#13
Acetone
Concen: 175.090 ug/L
RT: 2.19 min Scan# 343
Delta R.T. -0.01 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

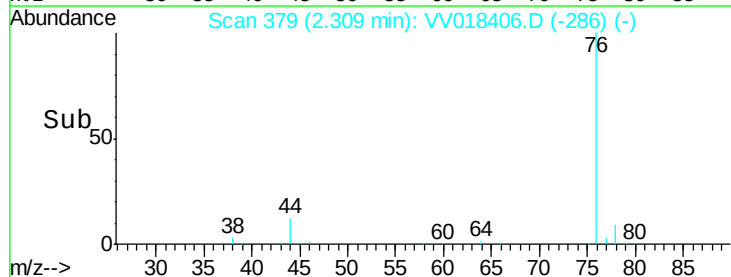
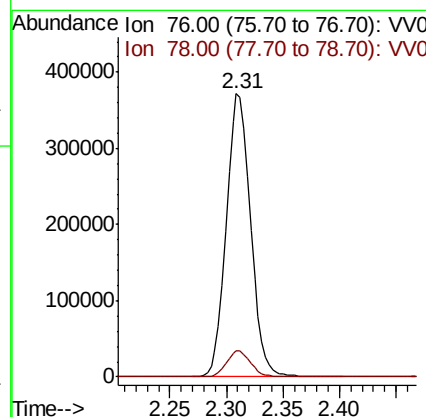
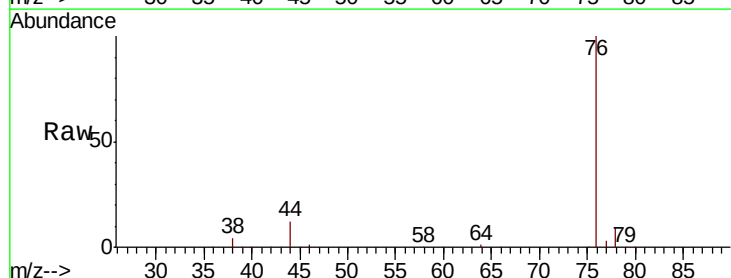
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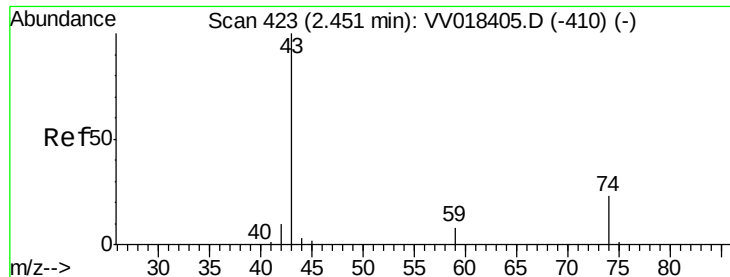
Tot Ion: 43 Resp: 295413
Ion Ratio Lower Upper
43 100
58 32.4 0.0 65.8



#14
Carbon disulfide
Concen: 95.805 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

Tgt Ion: 76 Resp: 558333
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8





#15

Methvl Acetate

Concen: 97.366 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

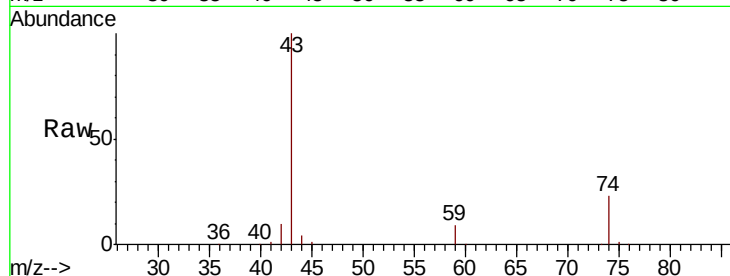
VSTD100304

Tot Ion: 43 Resp: 210596

Ion Ratio Lower Upper

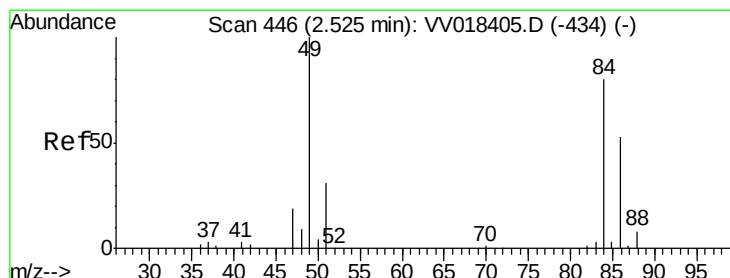
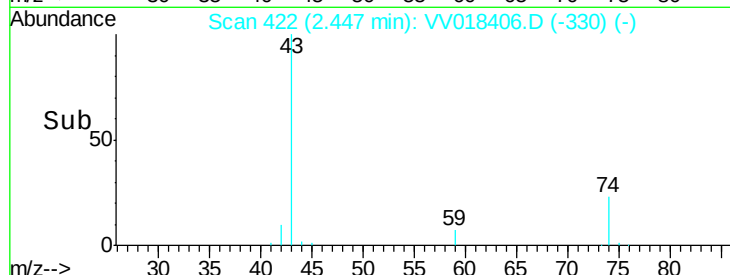
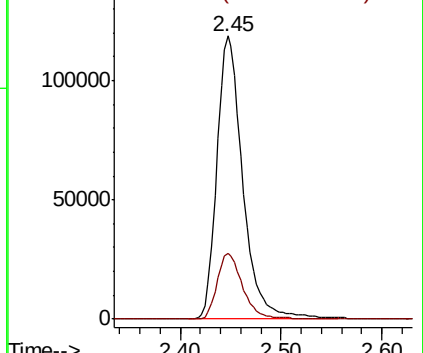
43 100

74 23.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 96.024 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

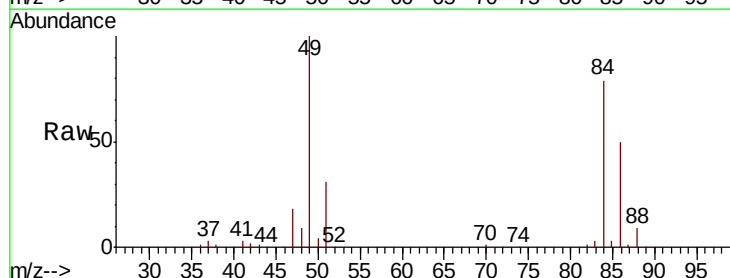
Tgt Ion: 84 Resp: 214825

Ion Ratio Lower Upper

84 100

86 63.6 46.0 85.4

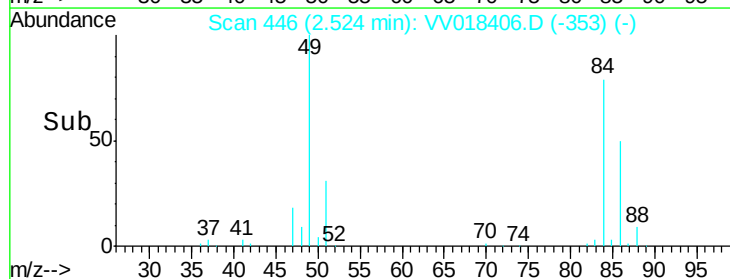
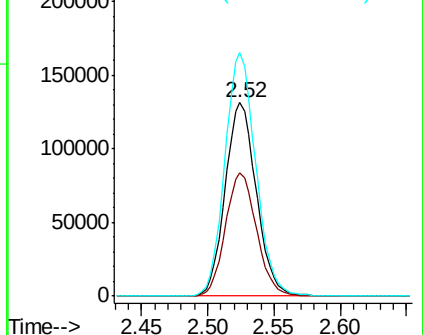
49 125.9 87.5 162.5

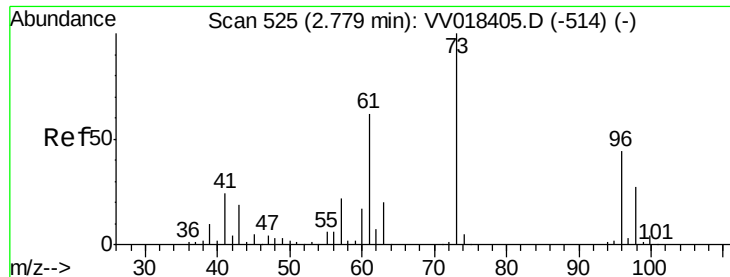


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

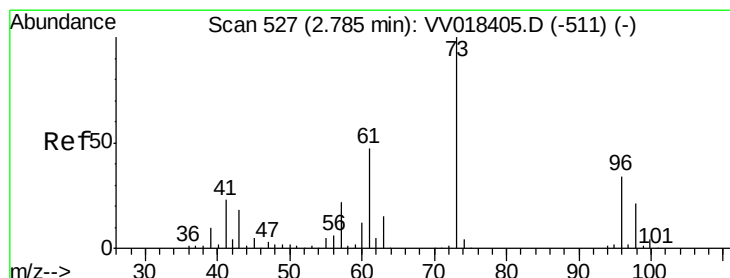
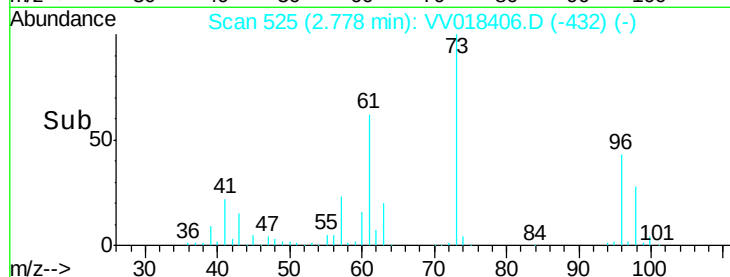
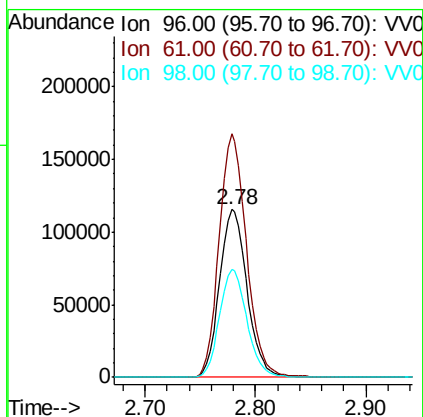
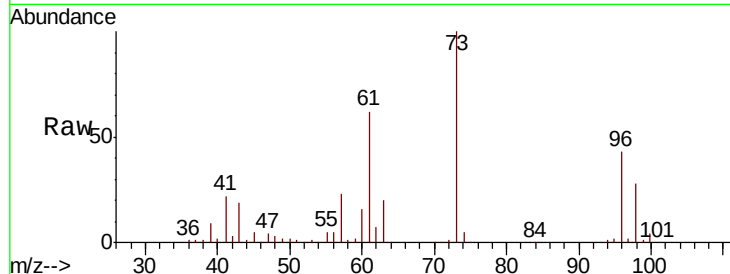




#17
trans-1,2-Dichloroethene
Concen: 95.630 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

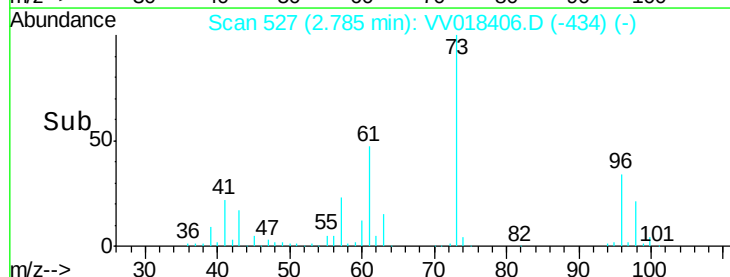
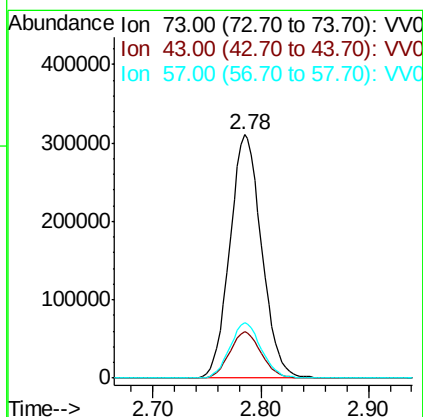
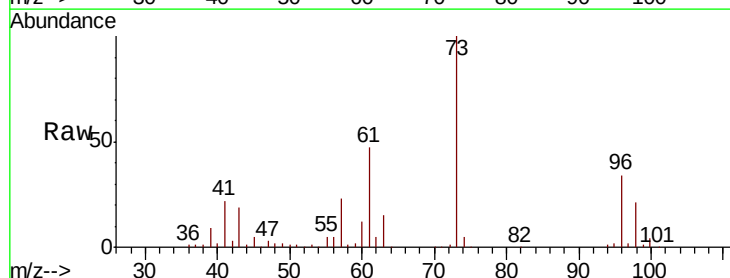
Instrument :
MSVOA_V
ClientSampleId :
VSTD100304

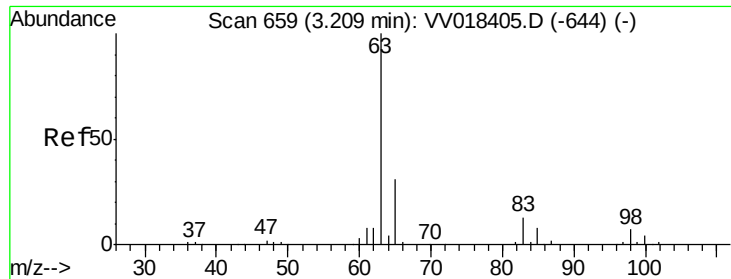
Tot Ion: 96 Resp: 200607
Ion Ratio Lower Upper
96 100
61 145.1 98.3 182.5
98 64.5 43.5 80.7



#18
Methyl tert-butyl Ether
Concen: 98.888 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

Tgt Ion: 73 Resp: 637597
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.2
57 22.5 17.8 26.6

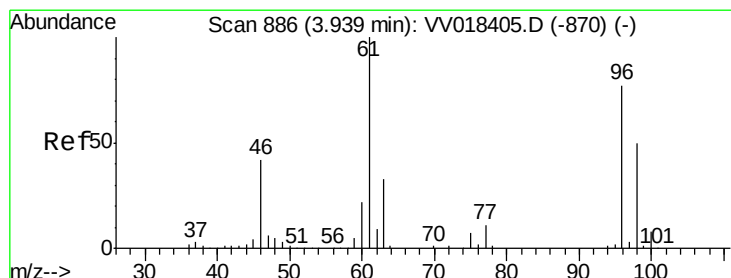
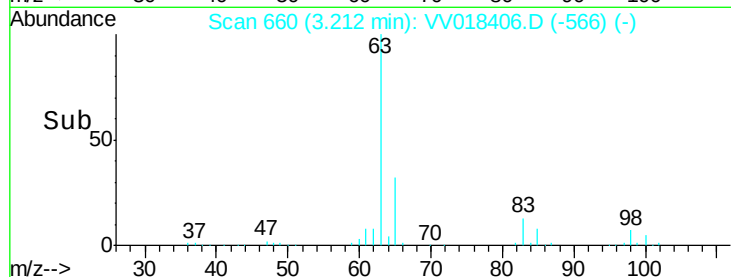
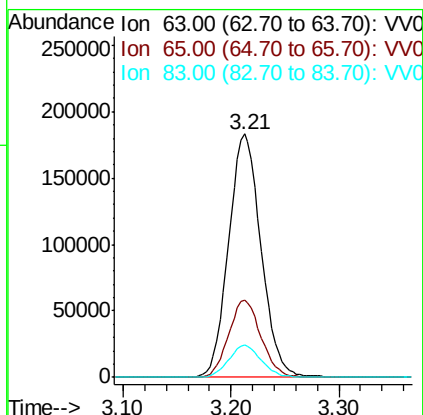
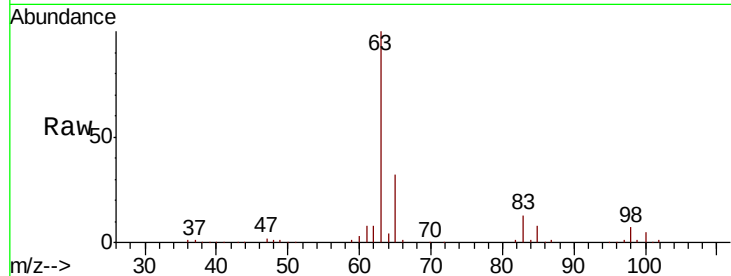




#19
 1,1-Dichloroethane
 Concen: 96.070 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

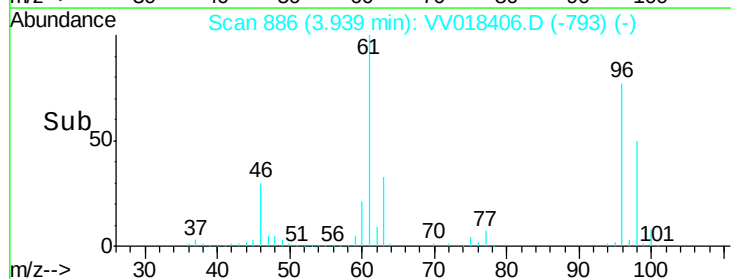
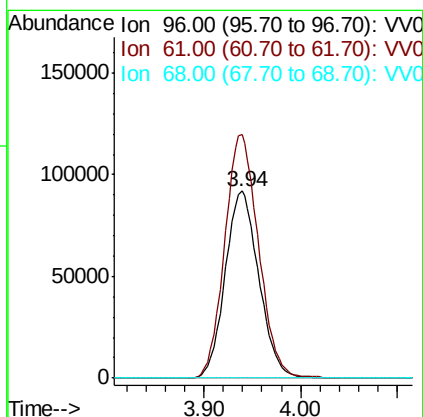
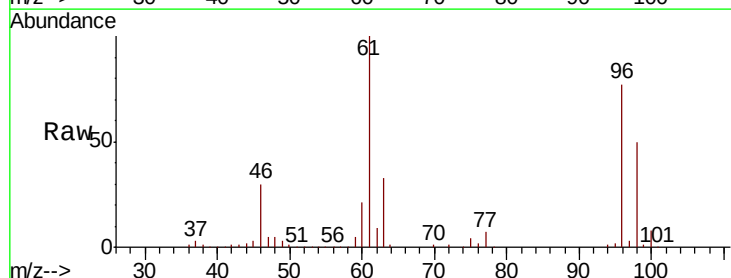
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100304

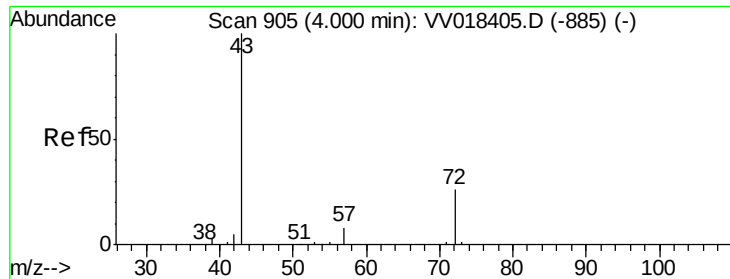
Tot Ion: 63 Resp: 383558
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.8 40.6
 83 13.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 98.489 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

Tgt Ion: 96 Resp: 222471
 Ion Ratio Lower Upper
 96 100
 61 130.0 90.4 167.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 191.844 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.01 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampled :

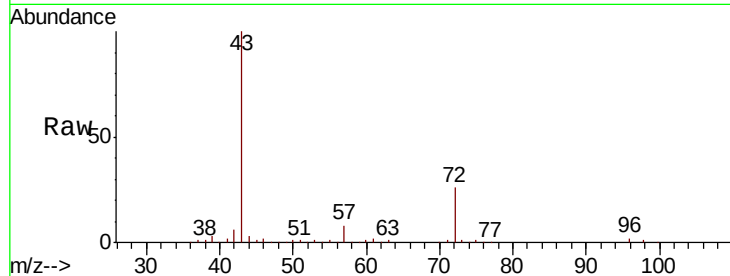
VSTD100304

Tot Ion: 43 Resp: 346501

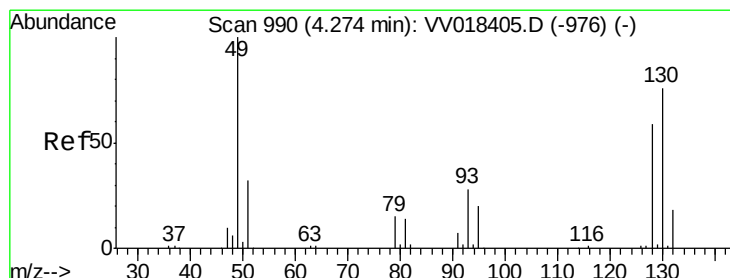
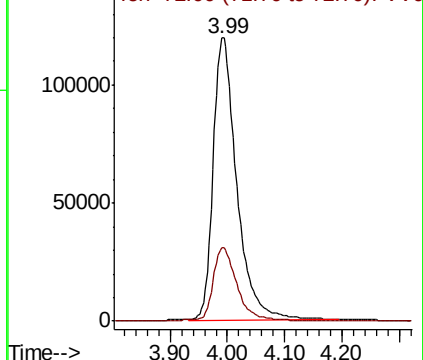
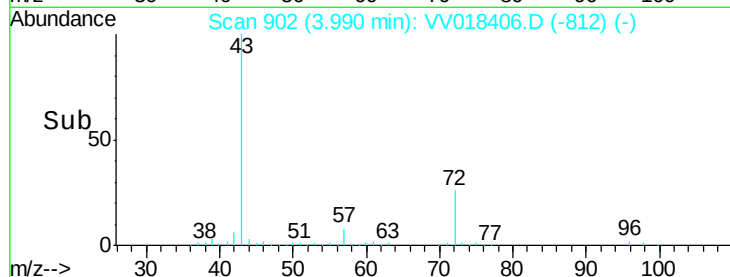
Ion Ratio Lower Upper

43 100

72 25.5 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV018406.D (-812) (-)



#23

Bromochloromethane

Concen: 96.489 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Tgt Ion: 128 Resp: 115404

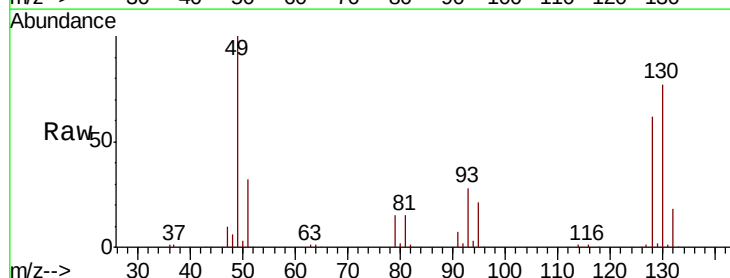
Ion Ratio Lower Upper

128 100

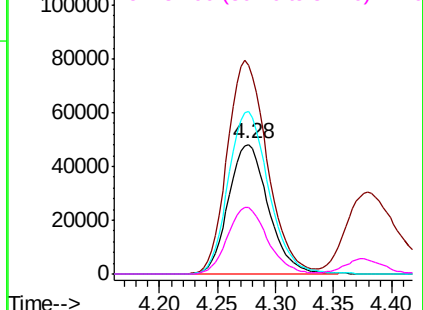
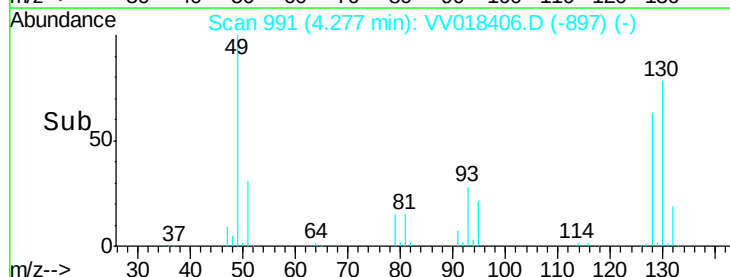
49 161.2 120.3 223.3

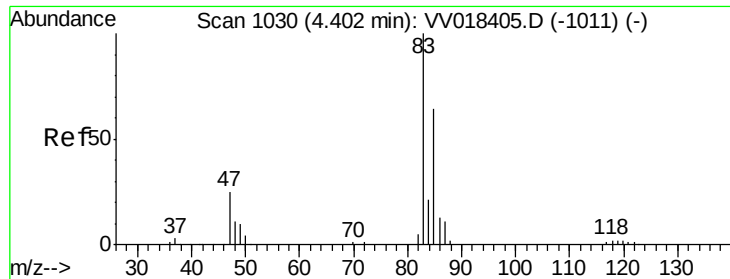
130 124.8 91.3 169.5

51 51.0 43.1 64.7



Abundance Ion 128.00 (127.70 to 128.70): VV018406.D (-897) (-)

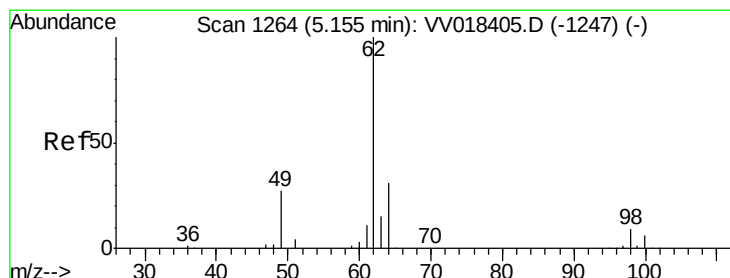
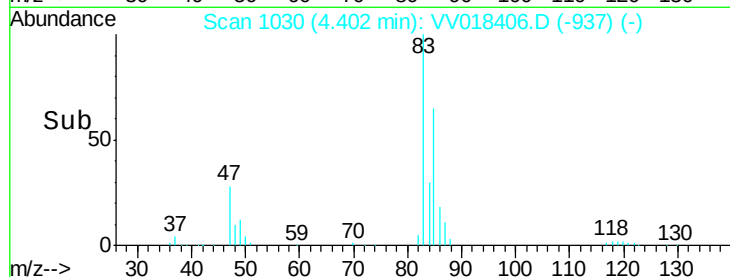
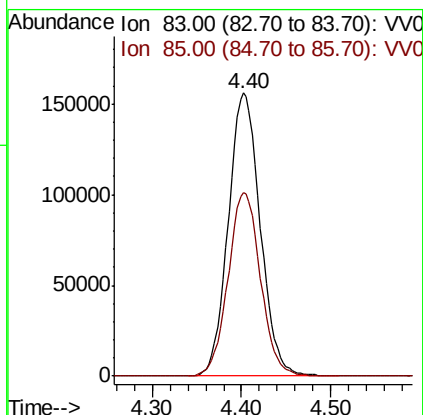
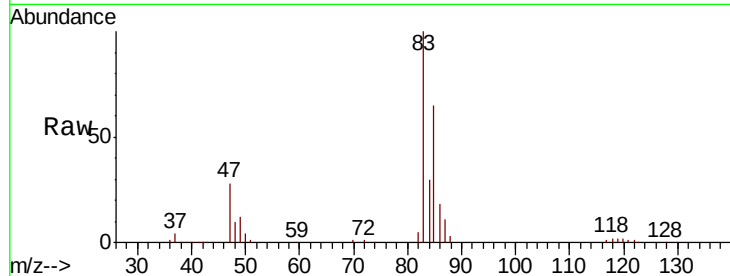




#25
Chloroform
Concen: 95.316 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

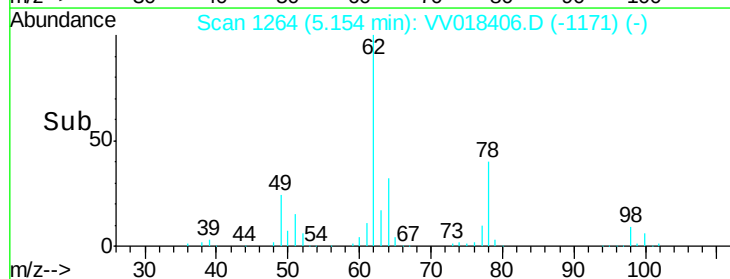
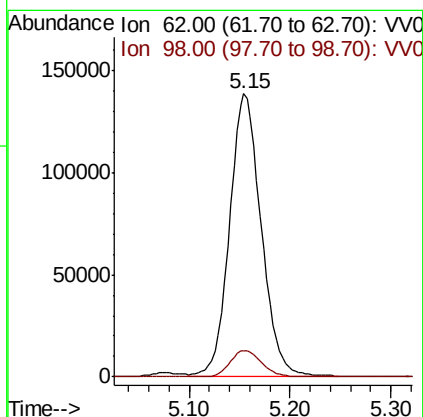
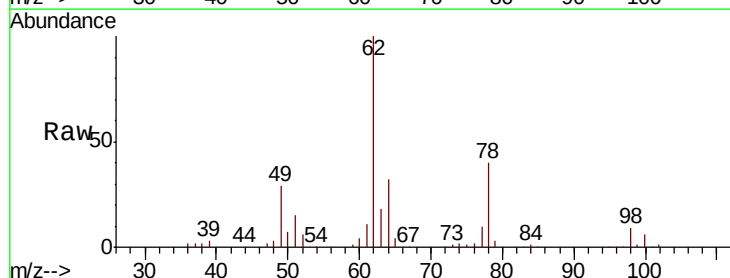
Instrument :
MSVOA_V
ClientSampleId :
VSTD100304

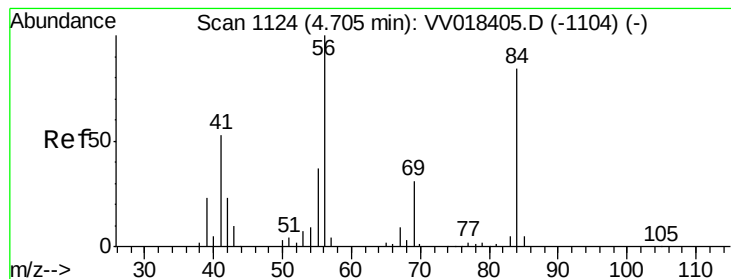
Tot Ion: 83 Resp: 387382
Ion Ratio Lower Upper
83 100
85 65.1 45.2 84.0



#27
1,2-Dichloroethane
Concen: 95.583 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

Tgt Ion: 62 Resp: 300458
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.2





#29

Cyclohexane

Concen: 98.332 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100304

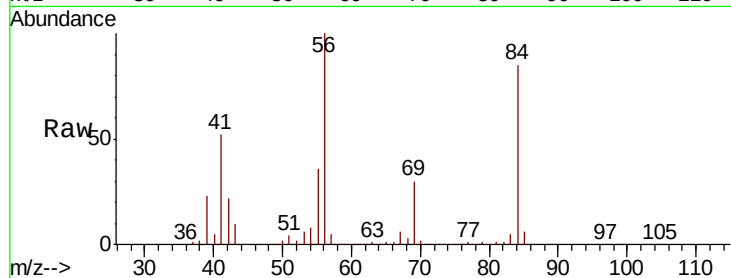
Tot Ion: 56 Resp: 352863

Ion Ratio Lower Upper

56 100

69 30.2 24.4 36.6

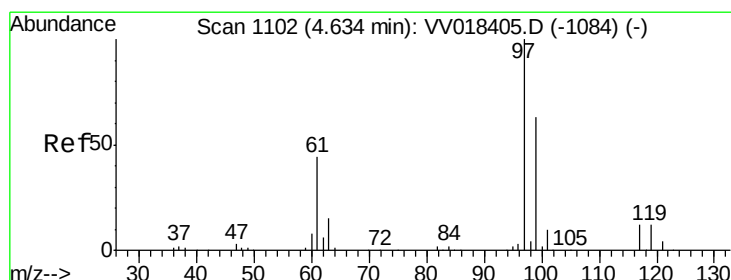
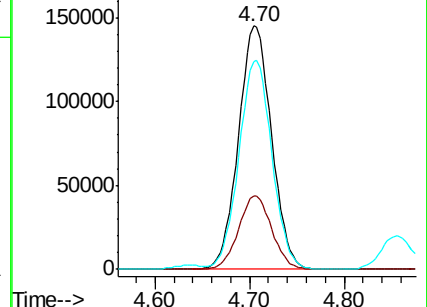
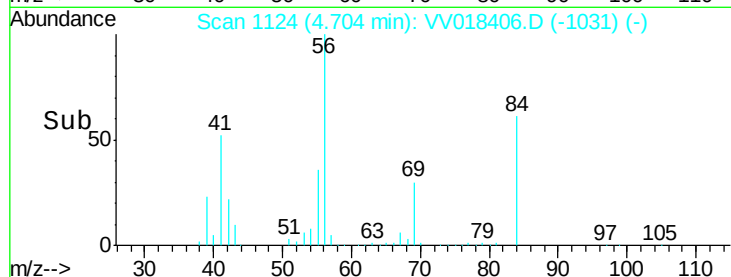
84 85.7 68.6 102.8



Abundance Ion 56.00 (55.70 to 56.70): VV018406.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV018406.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV018406.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 95.526 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

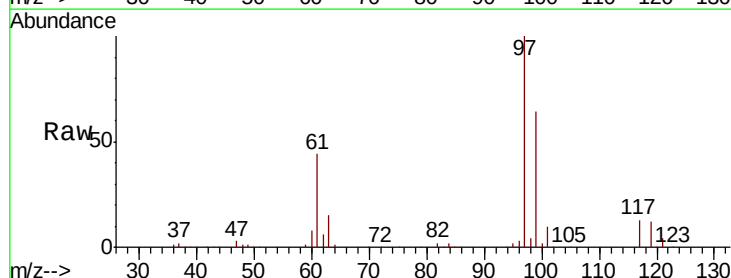
Tgt Ion: 97 Resp: 344406

Ion Ratio Lower Upper

97 100

99 64.0 50.7 76.1

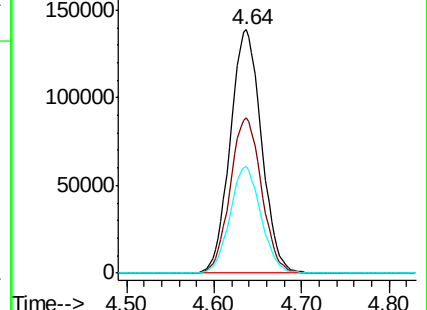
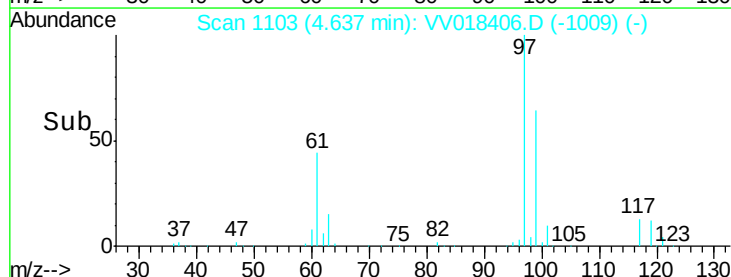
61 43.4 35.0 52.6

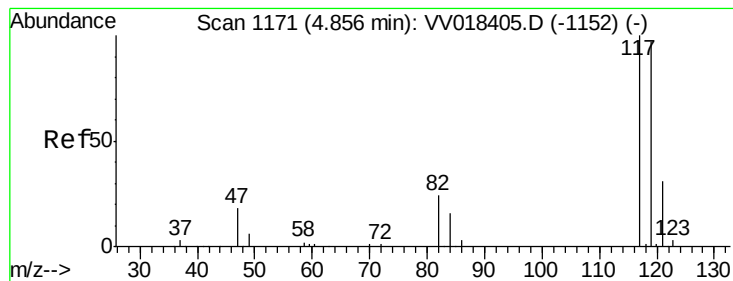


Abundance Ion 97.00 (96.70 to 97.70): VV018406.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV018406.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV018406.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 96.568 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

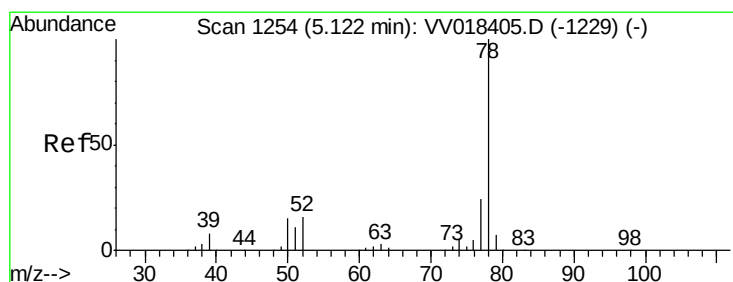
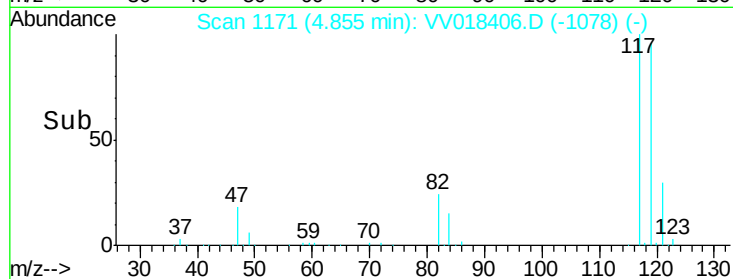
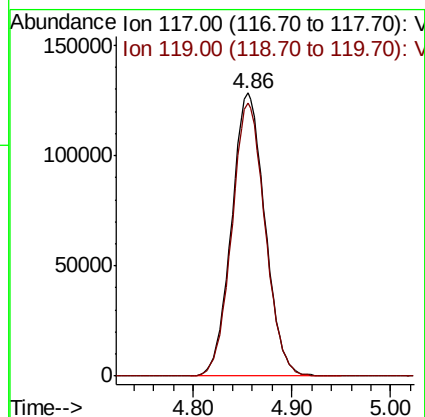
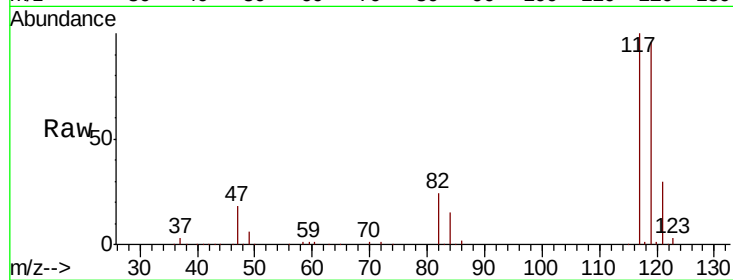
VSTD100304

Tot Ion:117 Resp: 302775

Ion Ratio Lower Upper

117 100

119 95.8 76.7 115.1



#33

Benzene

Concen: 96.263 ug/L

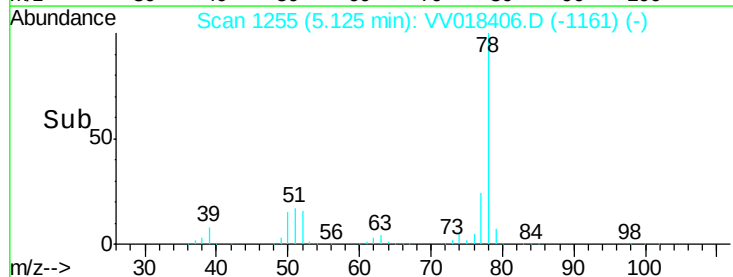
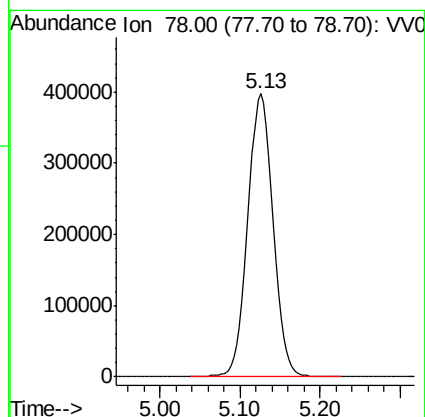
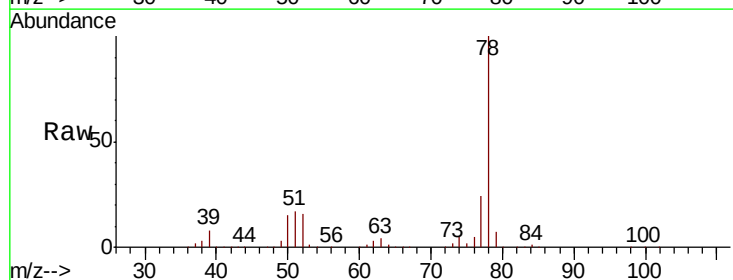
RT: 5.13 min Scan# 1255

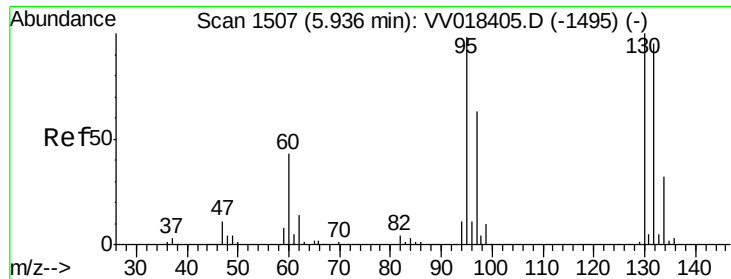
Delta R.T. 0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Tgt Ion: 78 Resp: 851708





#34

Trichloroethene

Concen: 96.048 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100304

Tot Ion: 95 Resp: 226643

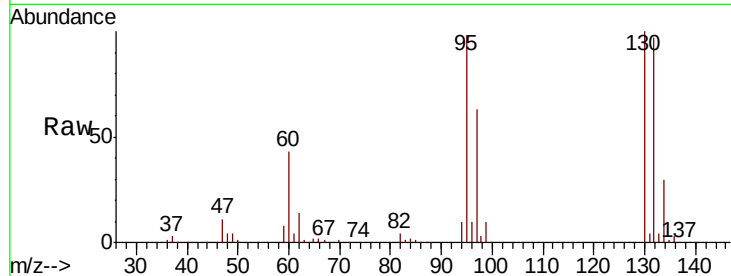
Ion Ratio Lower Upper

95 100

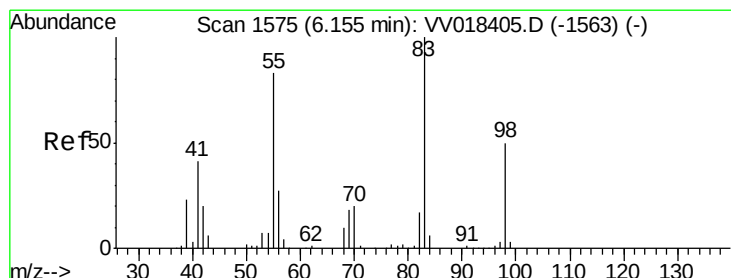
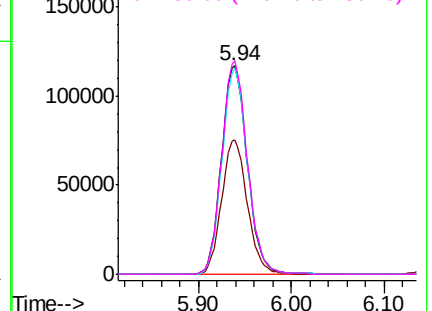
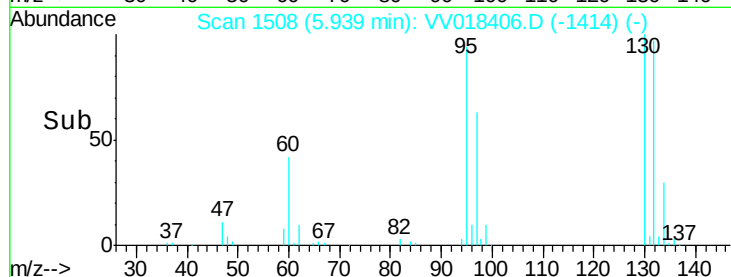
97 64.6 44.7 83.1

132 99.1 67.8 126.0

130 102.5 71.5 132.7



Abundance Ion 95.00 (94.70 to 95.70): VV018406.D (-1414) (-)



#35

Methylcyclohexane

Concen: 97.283 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

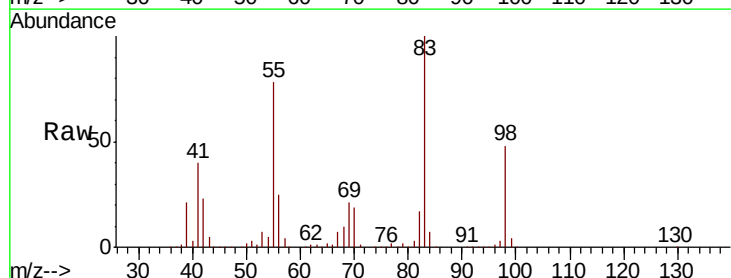
Tgt Ion: 83 Resp: 362376

Ion Ratio Lower Upper

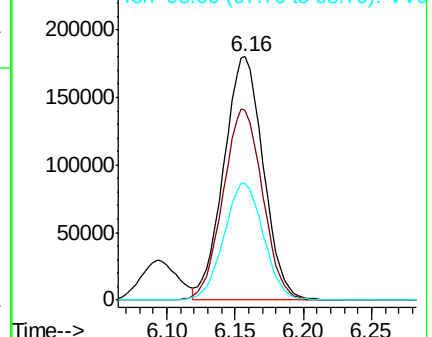
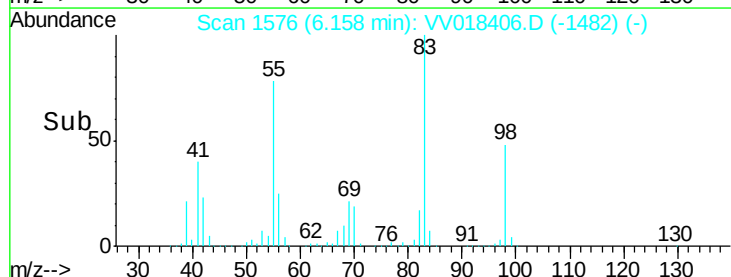
83 100

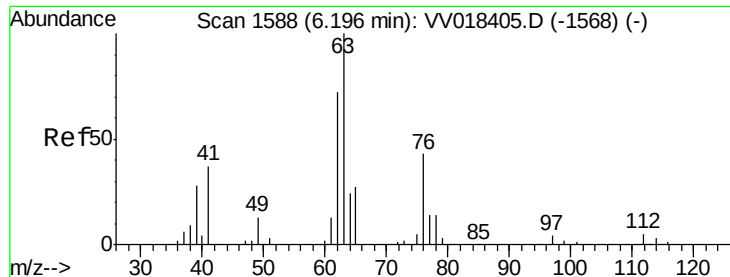
55 78.5 63.6 95.4

98 48.1 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VV018406.D (-1482) (-)

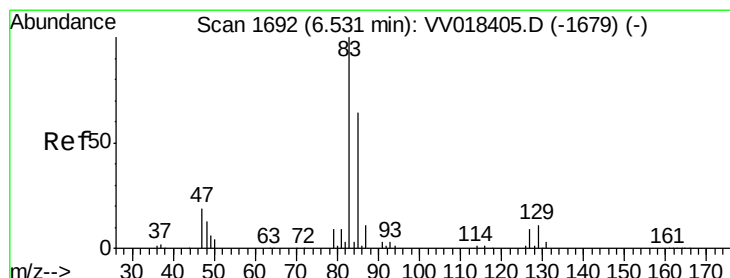
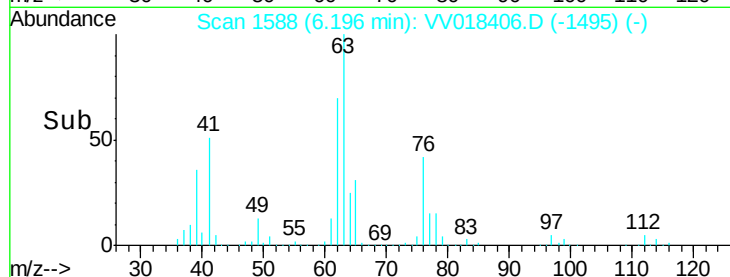
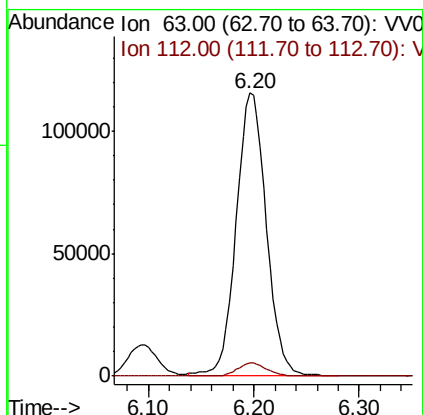
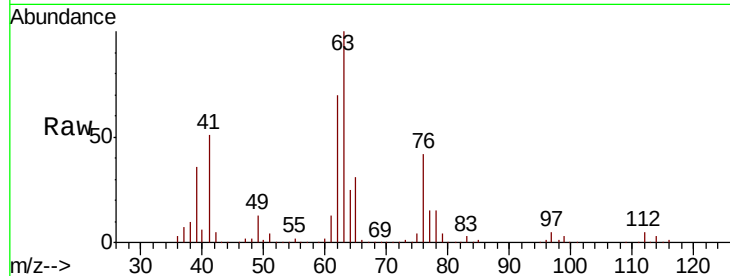




#37
 1,2-Dichloropropane
 Concen: 95.094 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

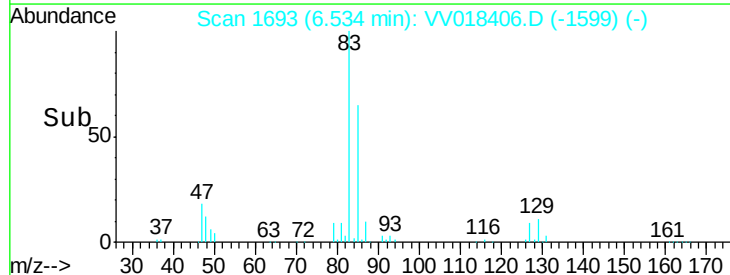
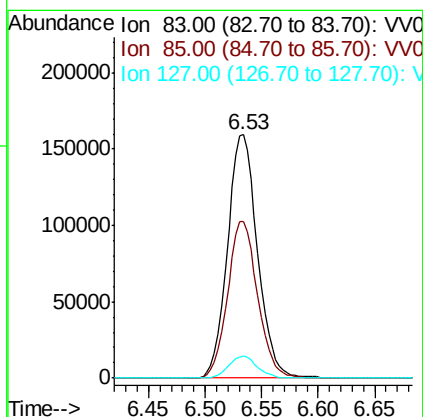
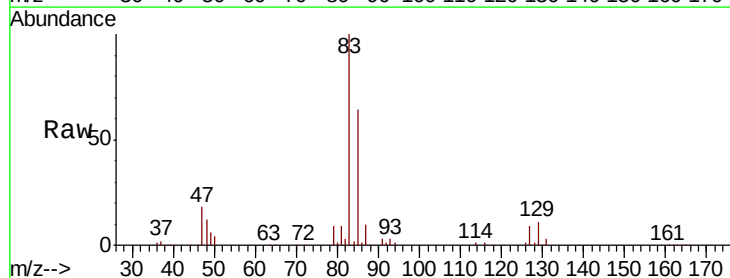
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD100304

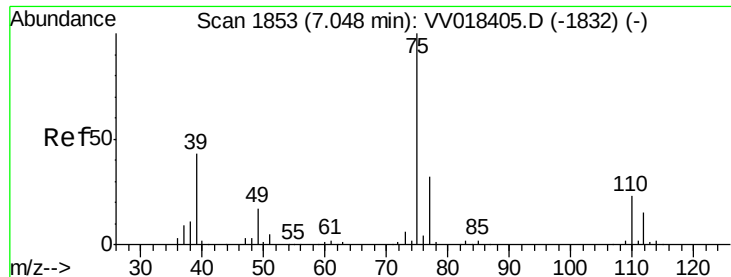
Tot Ion: 63 Resp: 227393
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 97.369 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

Tgt Ion: 83 Resp: 294146
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.9
 127 8.9 6.8 10.2



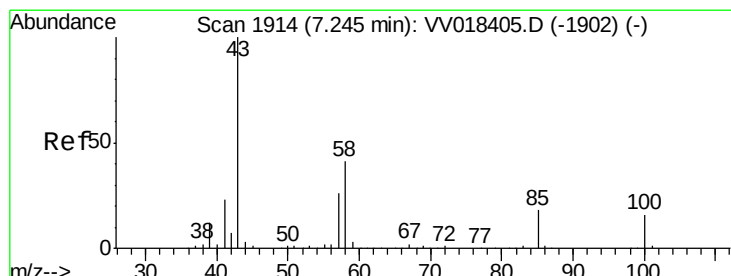
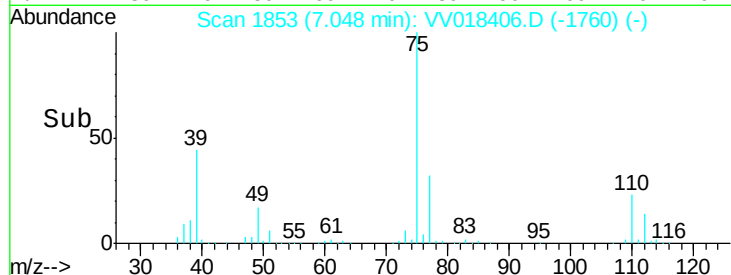
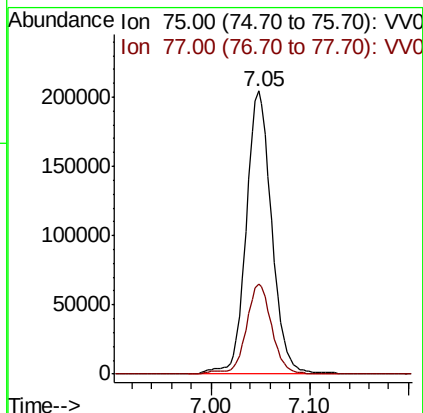
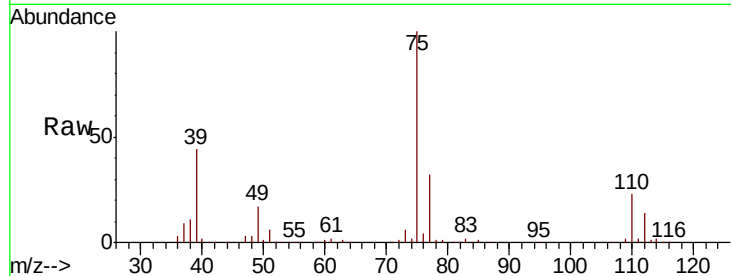


#39

cis-1,3-Dichloropropene
Concen: 100.637 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD100304

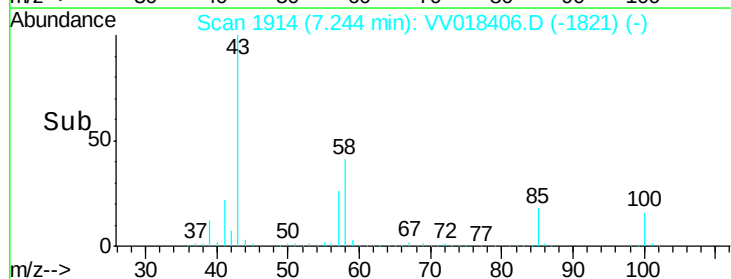
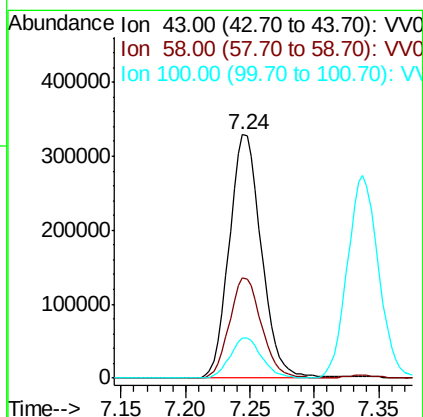
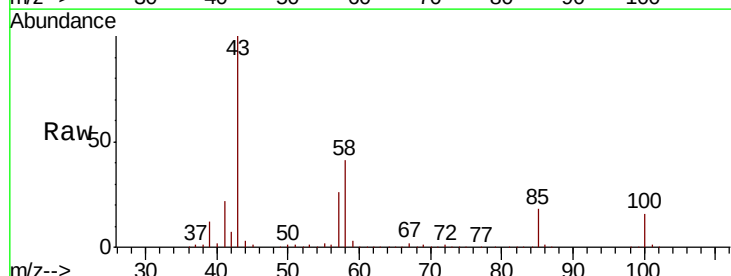
Tot Ion: 75 Resp: 364576
Ion Ratio Lower Upper
75 100
77 31.9 22.7 42.1

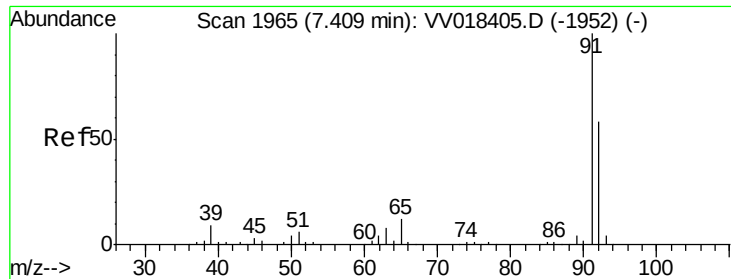


#40

4-Methyl-2-pentanone
Concen: 199.523 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

Tgt Ion: 43 Resp: 569483
Ion Ratio Lower Upper
43 100
58 41.0 32.4 48.6
100 16.3 13.0 19.4





#42

Toluene

Concen: 96.360 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

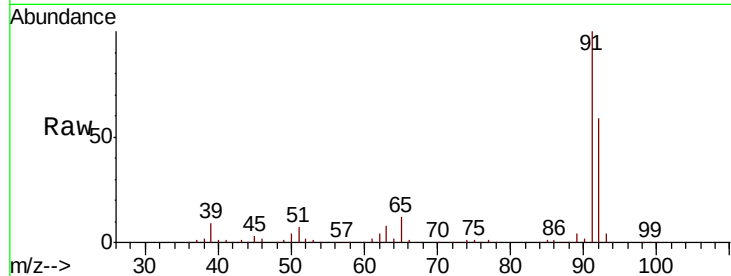
VSTD100304

Tot Ion: 91 Resp: 922893

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

600000

500000

400000

300000

200000

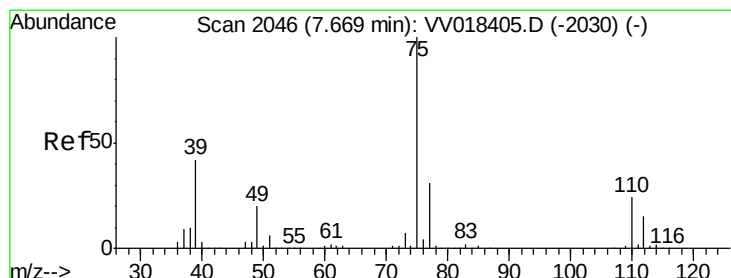
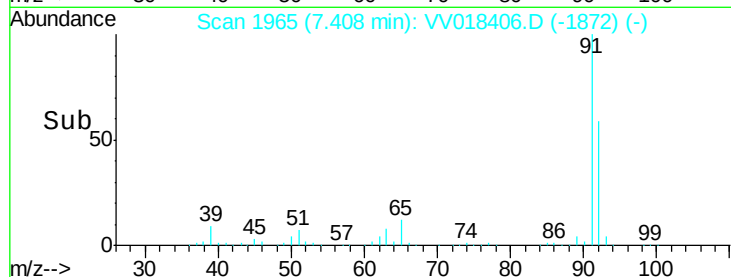
100000

0

7.41

7.30 7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 98.892 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018406.D

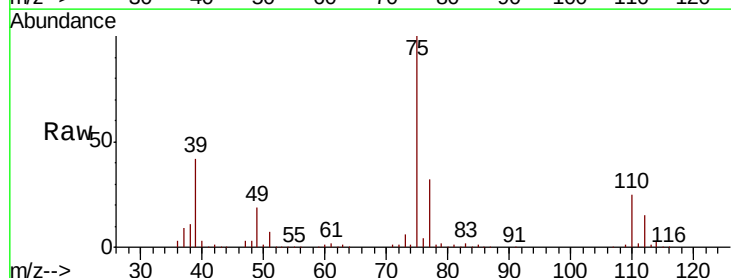
Acq: 23 Sep 2020 11:26

Tgt Ion: 75 Resp: 354009

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

250000

200000

150000

100000

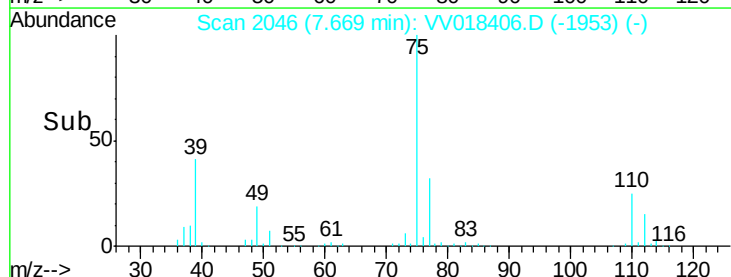
50000

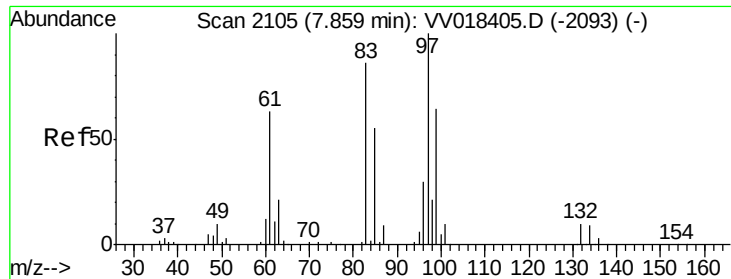
0

7.67

7.55 7.60 7.65 7.70 7.75

Time-->

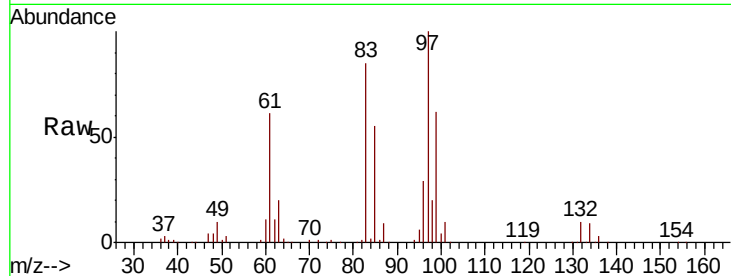




#45
 1,1,2-Trichloroethane
 Concen: 96.336 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100304

Tot Ion:	97	Resp:	211499
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.6	82.8
83	85.5	60.5	112.5
85	55.1	38.2	71.0



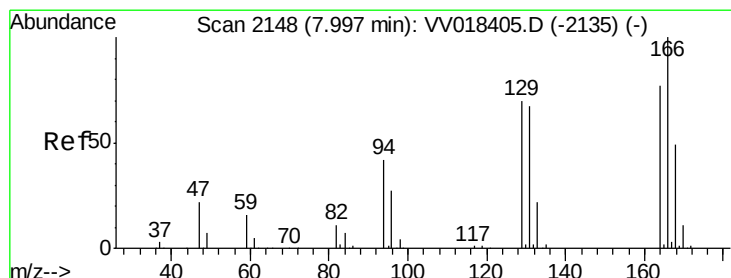
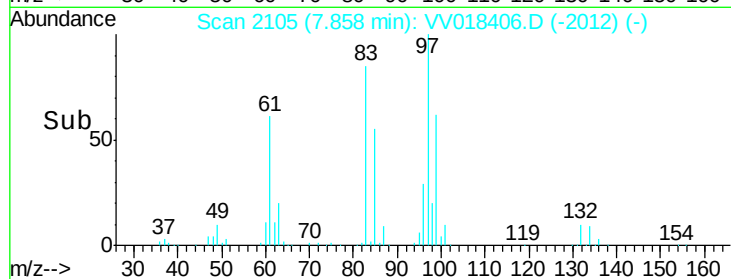
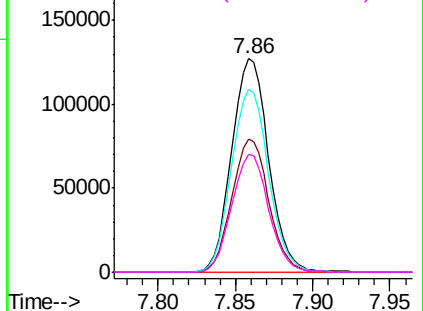
Abundance

Ion 97.00 (96.70 to 97.70): VV018406.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV018406.D (-2093) (-)

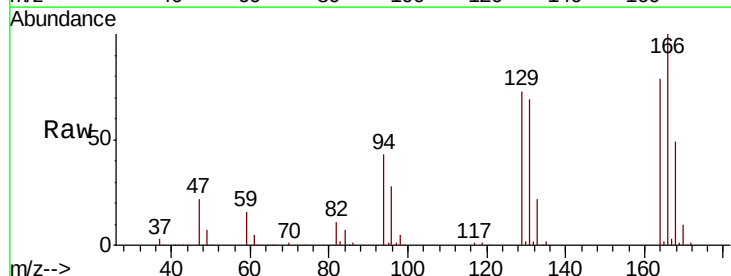
Ion 83.00 (82.70 to 83.70): VV018406.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV018406.D (-2093) (-)



#46
 Tetrachloroethene
 Concen: 95.179 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

Tgt Ion:	164	Resp:	182061
Ion	Ratio	Lower	Upper
164	100		
129	92.4	63.7	118.3
131	87.3	60.6	112.6
166	126.8	90.6	168.3



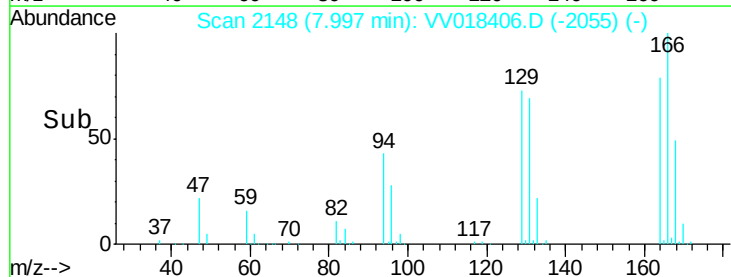
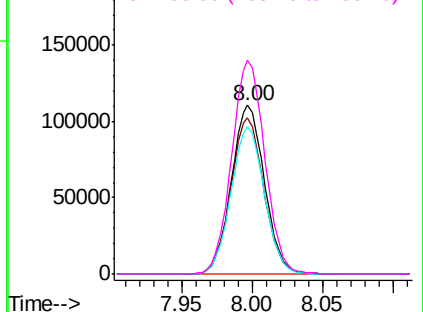
Abundance

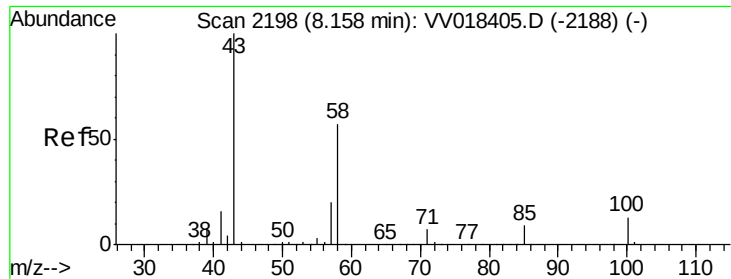
Ion 164.00 (163.70 to 164.70): VV018406.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV018406.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV018406.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV018406.D (-2135) (-)

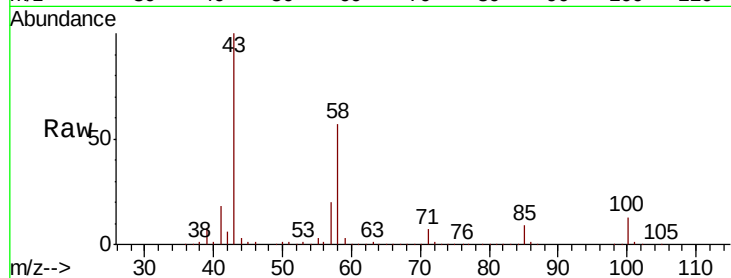




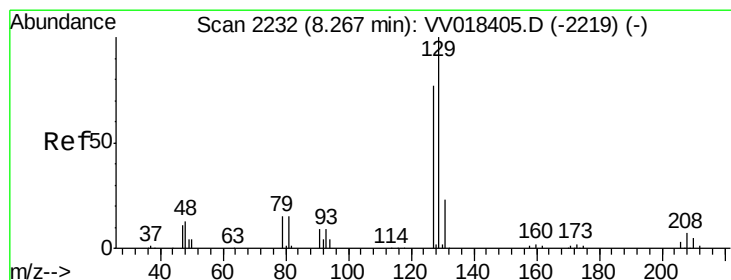
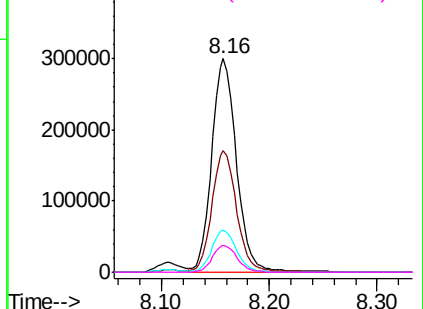
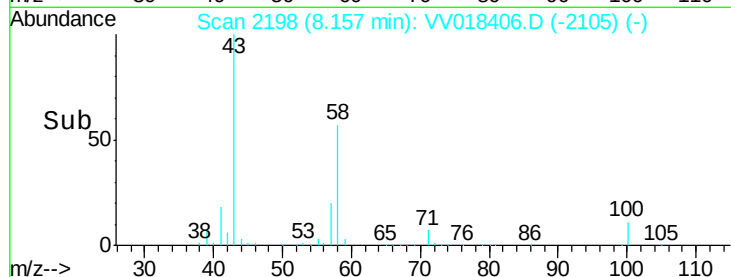
#48
2-Hexanone
Concen: 193.041 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD100304

Tot Ion: 43 Resp: 476326
Ion Ratio Lower Upper
43 100
58 56.7 45.4 68.0
57 19.7 16.0 24.0
100 12.7 10.1 15.1

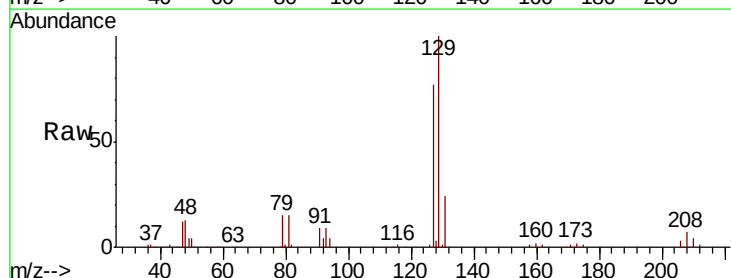


Abundance Ion 43.00 (42.70 to 43.70): VV018406.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV018406.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV018406.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV018406.D (-2105) (-)

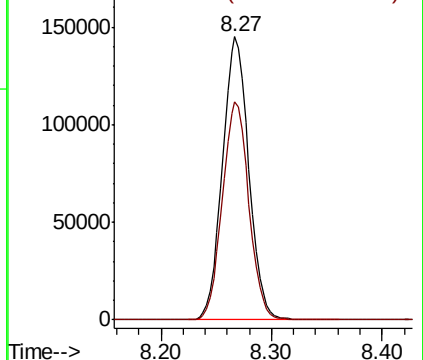
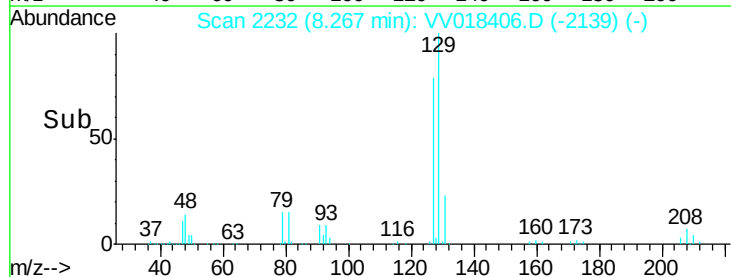


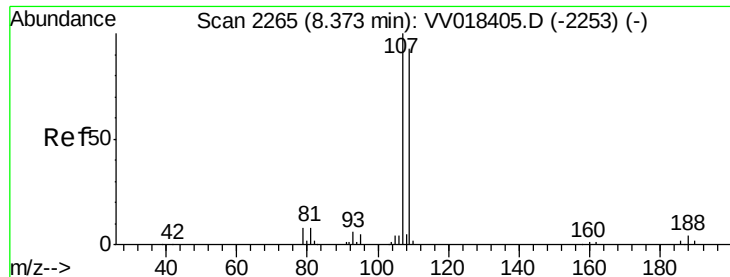
#49
Dibromochloromethane
Concen: 97.607 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

Tgt Ion: 129 Resp: 240003
Ion Ratio Lower Upper
129 100
127 77.2 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): VV018406.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV018406.D (-2139) (-)

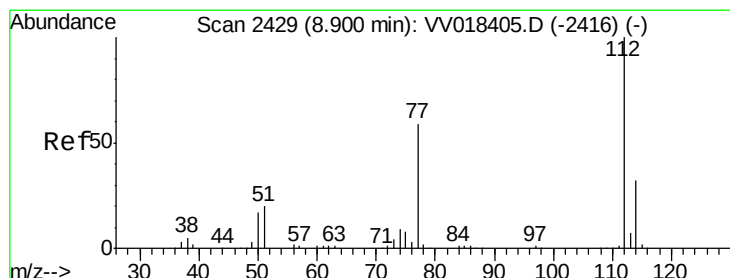
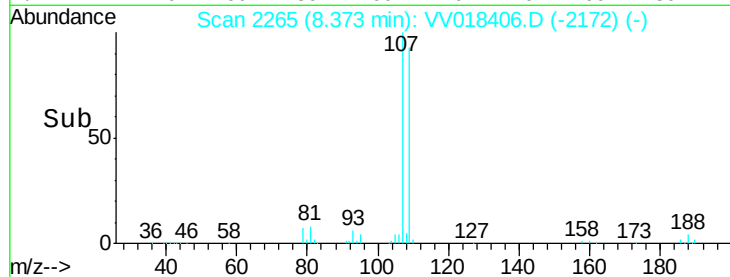
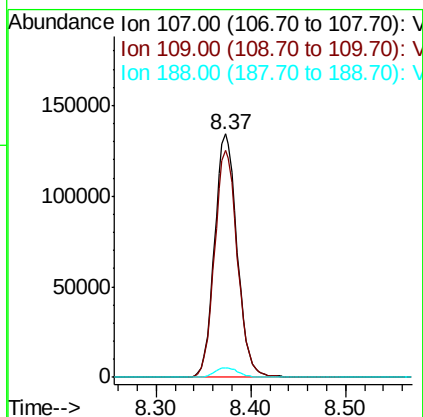
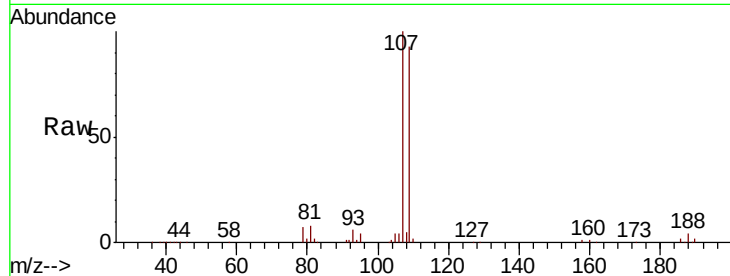




#50
 1,2-Dibromoethane
 Concen: 97.420 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

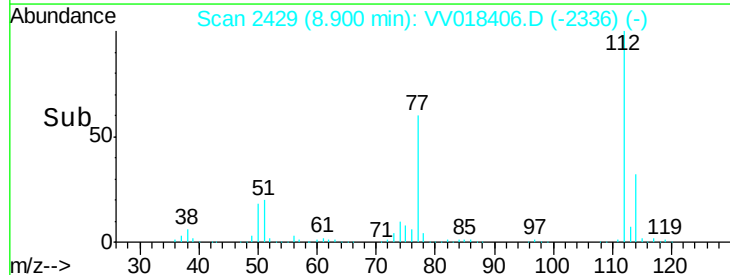
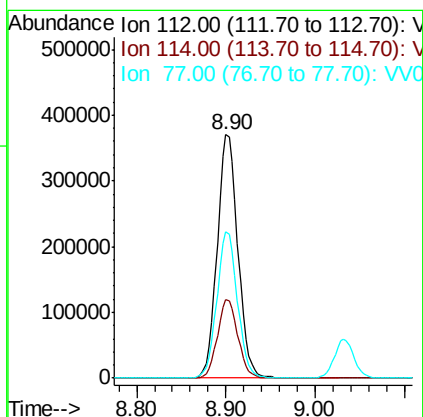
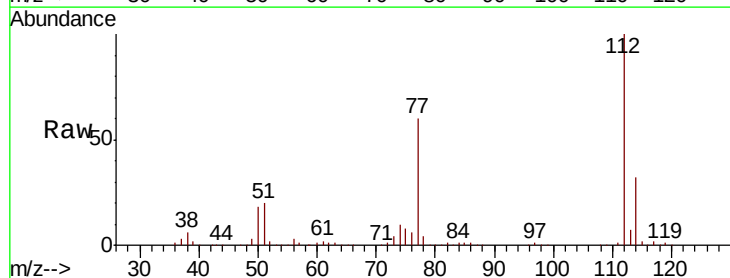
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100304

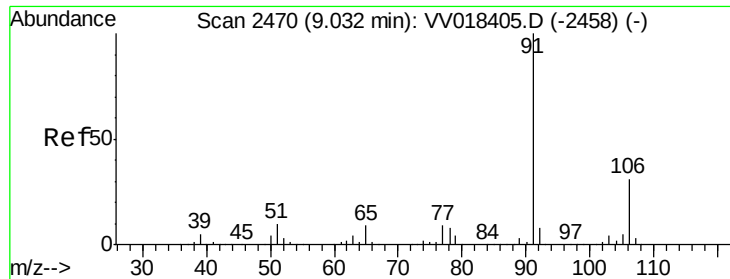
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	64.9	120.5
188	3.9	3.4	5.0



#51
 Chlorobenzene
 Concen: 96.407 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.2	41.2
77	60.0	47.4	71.2





#52

Ethylbenzene

Concen: 98.398 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

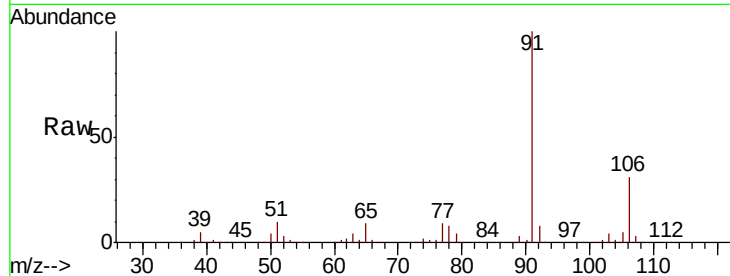
Instrument :
MSVOA_V
ClientSampleId :
VSTD100304

Tot Ion: 91 Resp: 1034795

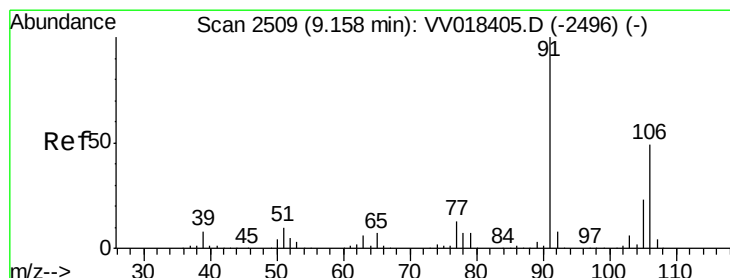
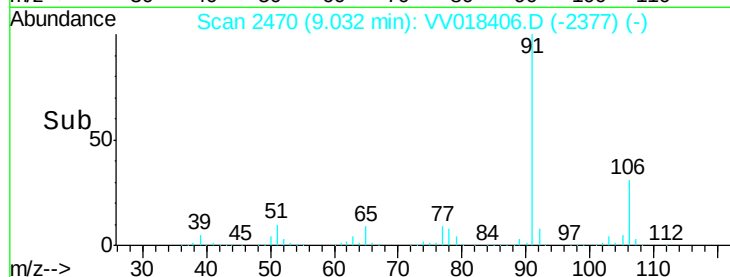
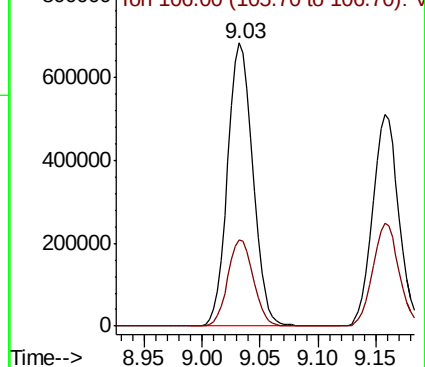
Ion Ratio Lower Upper

91 100

106 30.7 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV018406.D (-2377) (-)



#53

m,p-Xylene

Concen: 98.009 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018406.D

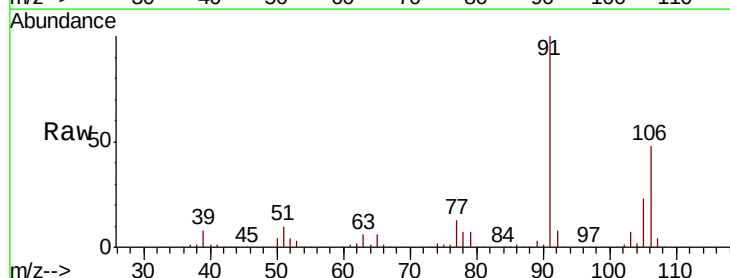
Acq: 23 Sep 2020 11:26

Tgt Ion: 106 Resp: 390106

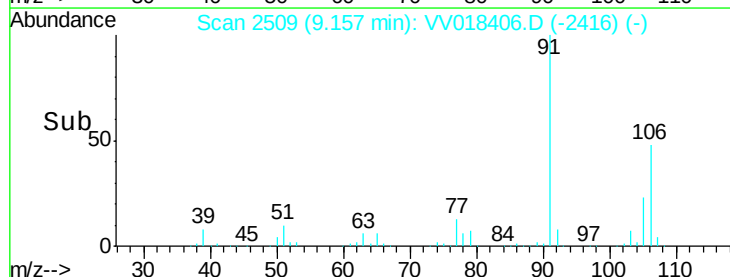
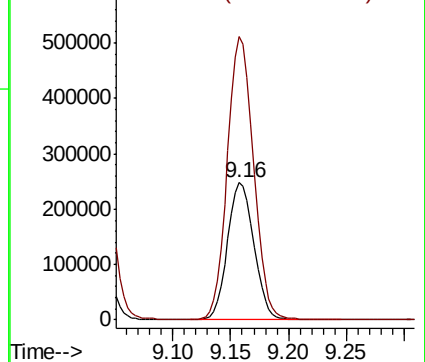
Ion Ratio Lower Upper

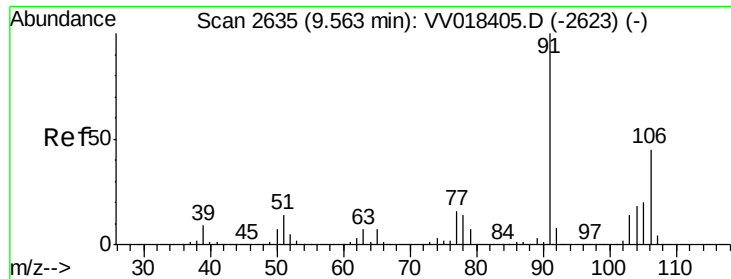
106 100

91 206.3 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): VV018406.D (-2416) (-)

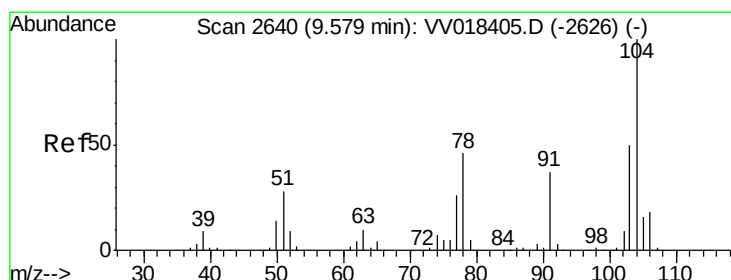
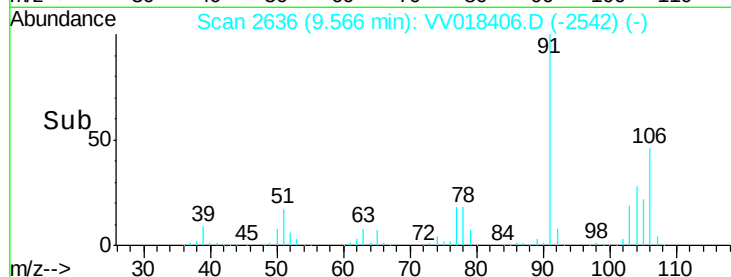
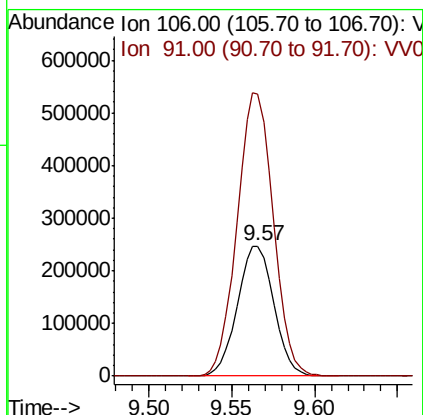
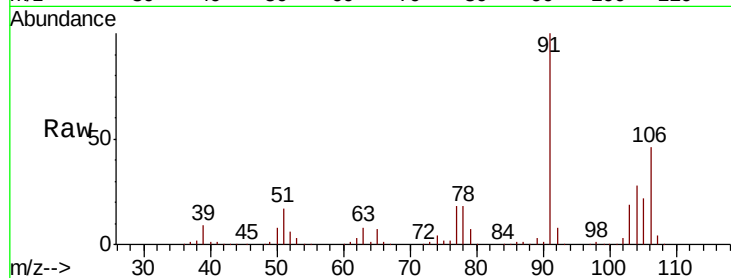




#54
o-Xylene
Concen: 98.813 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

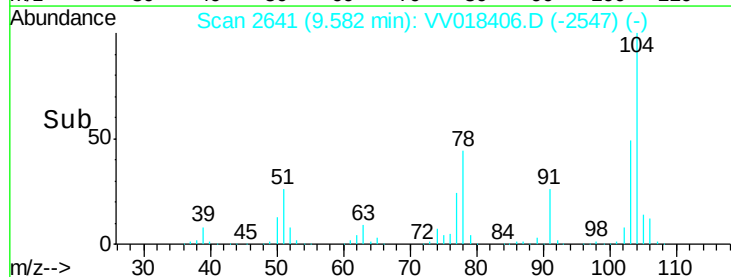
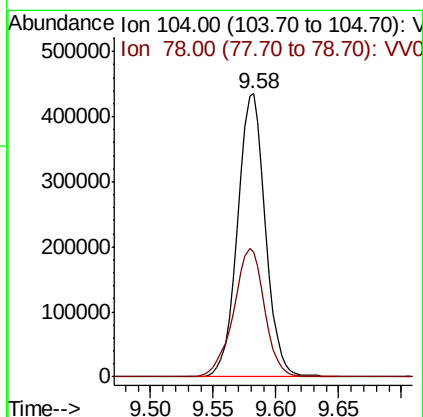
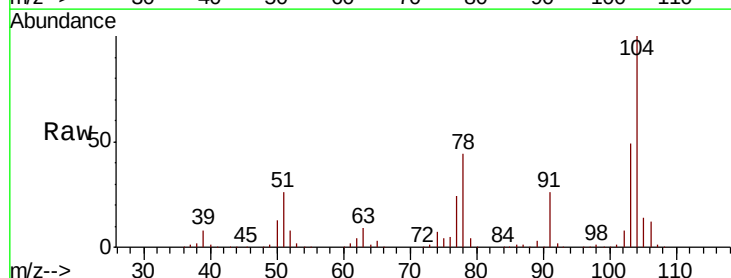
Instrument :
MSVOA_V
ClientSampleId :
VSTD100304

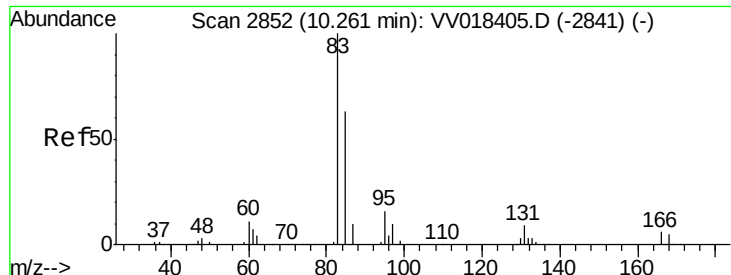
Tot Ion:106 Resp: 377300
Ion Ratio Lower Upper
106 100
91 216.8 154.7 287.3



#55
Styrene
Concen: 98.314 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018406.D
Acq: 23 Sep 2020 11:26

Tgt Ion:104 Resp: 671425
Ion Ratio Lower Upper
104 100
78 44.2 32.1 59.5

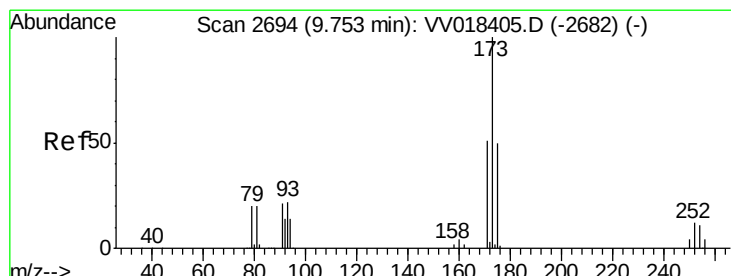
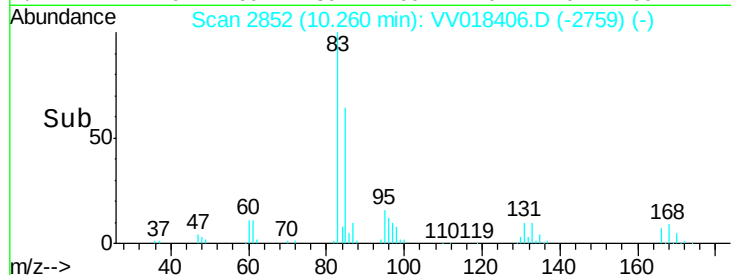
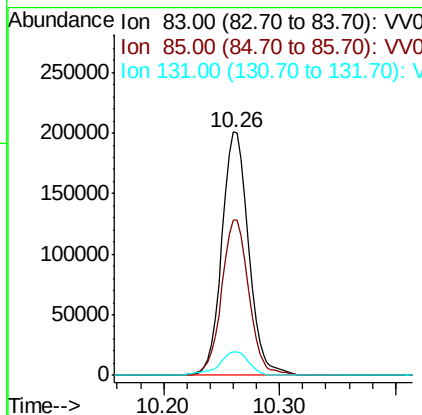
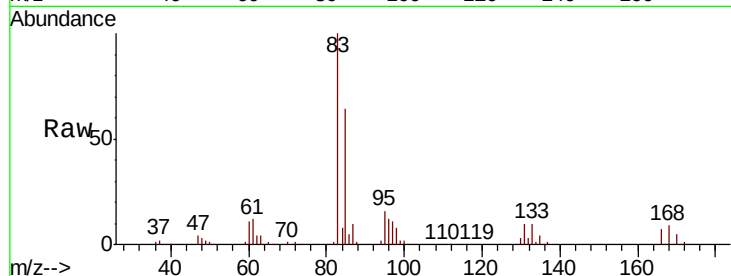




#57
 1,1,2,2-Tetrachloroethane
 Concen: 98.384 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

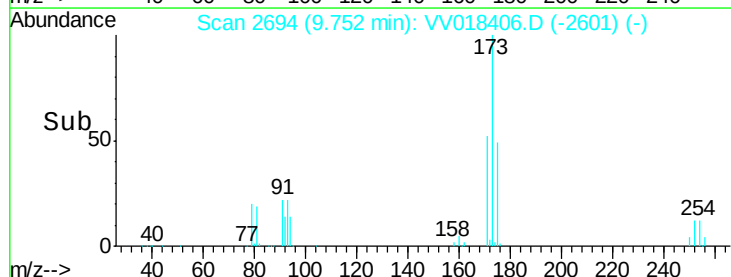
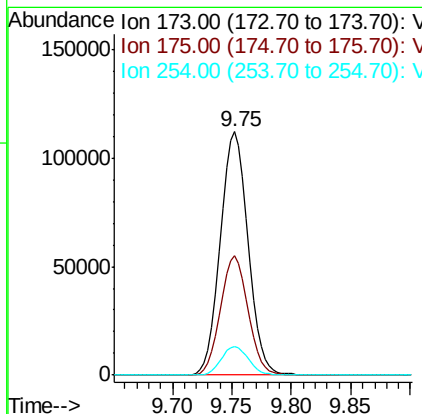
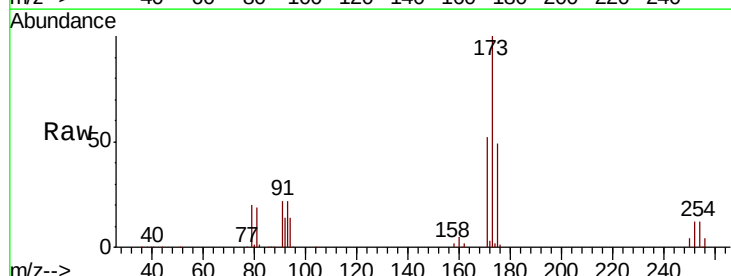
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100304

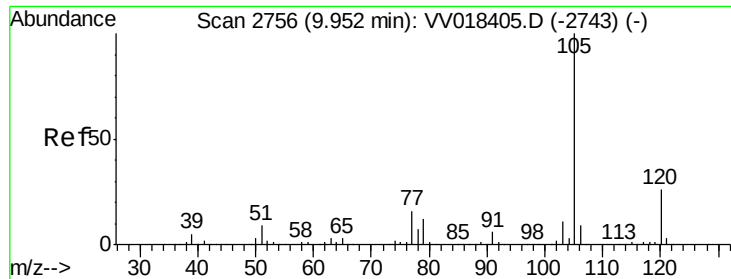
Tot Ion: 83 Resp: 319703
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.4 82.5
 131 9.8 7.8 11.6



#59
 Bromoform
 Concen: 101.134 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

Tgt Ion: 173 Resp: 181879
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.4 59.2
 254 11.5 8.7 13.1





#60

Isopropylbenzene

Concen: 98.544 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100304

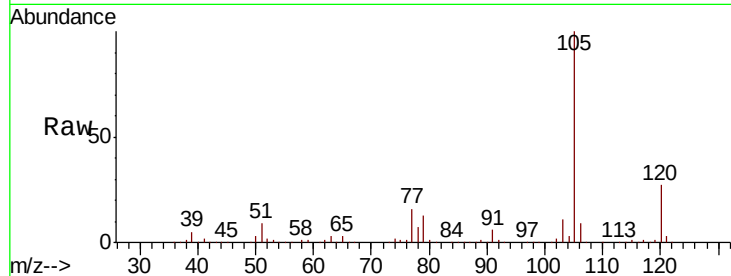
Tot Ion:105 Resp: 1030969

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

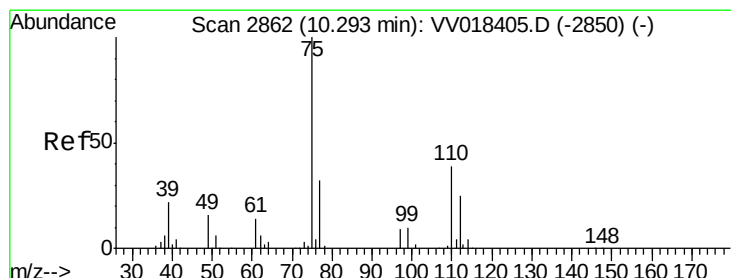
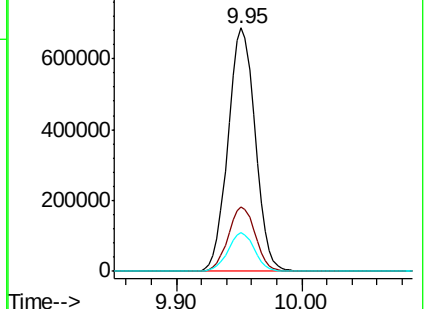
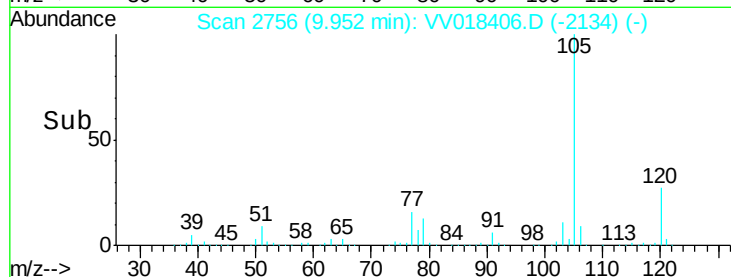
77 15.5 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 97.228 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

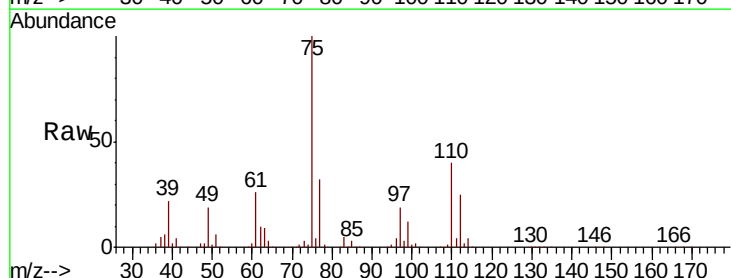
Tgt Ion: 75 Resp: 267549

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

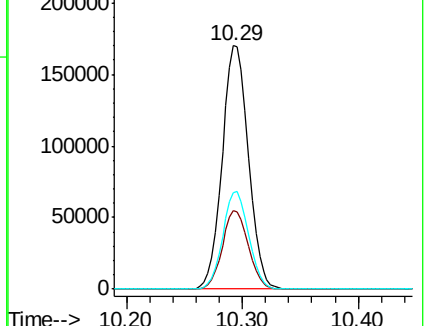
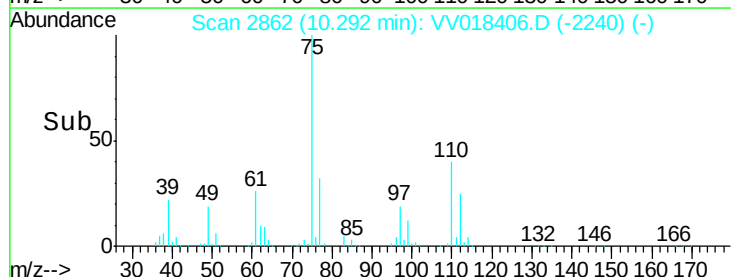
110 39.5 31.5 47.3

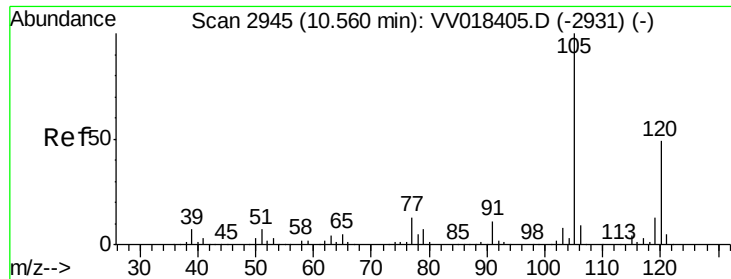


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 99.690 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

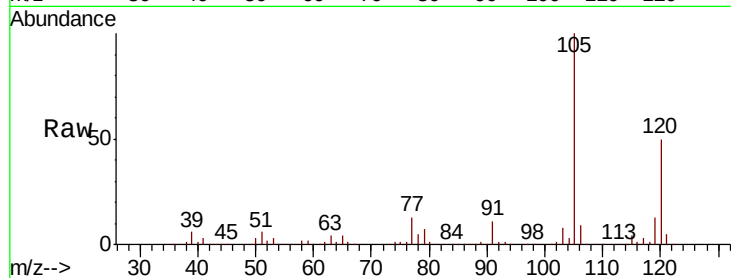
VSTD100304

Tot Ion:105 Resp: 873390

Ion Ratio Lower Upper

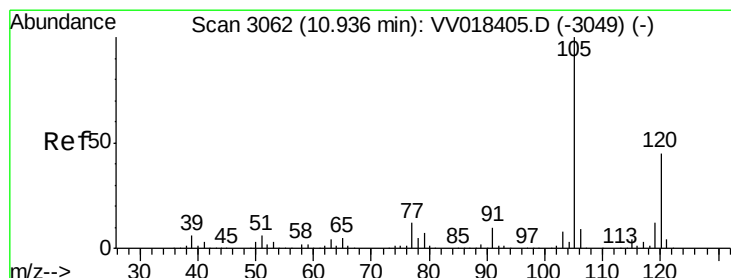
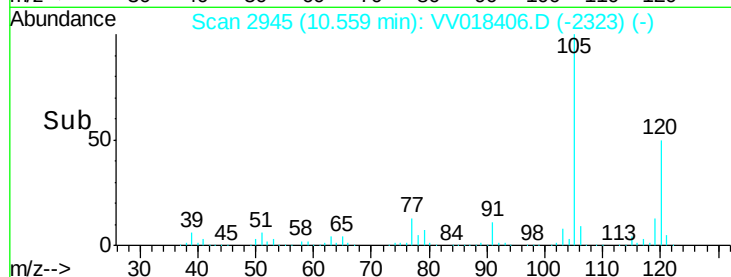
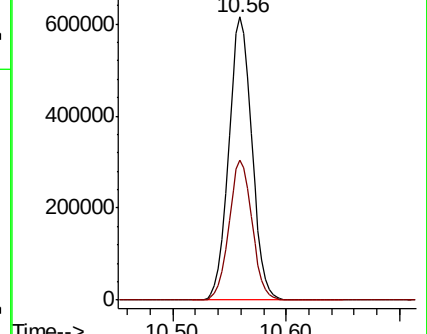
105 100

120 49.3 39.1 58.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 99.784 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV018406.D

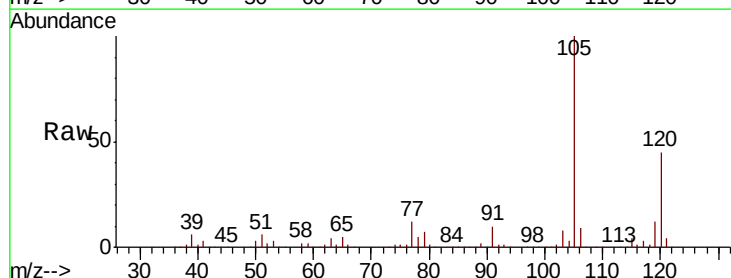
Acq: 23 Sep 2020 11:26

Tgt Ion:105 Resp: 899880

Ion Ratio Lower Upper

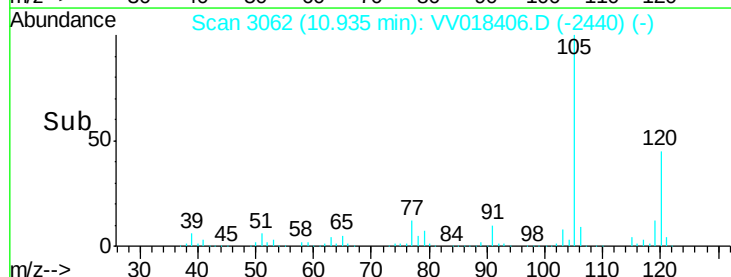
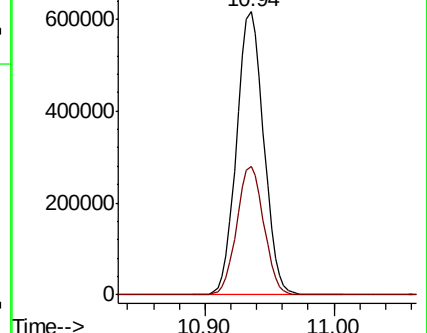
105 100

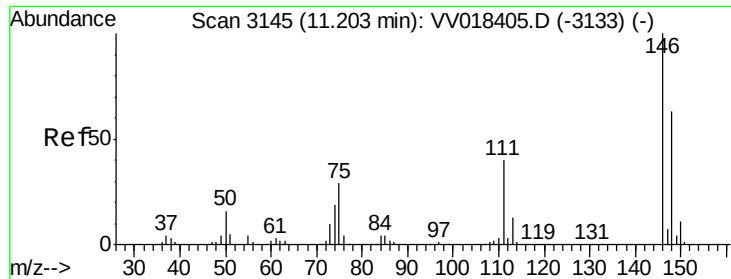
120 45.3 36.2 54.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

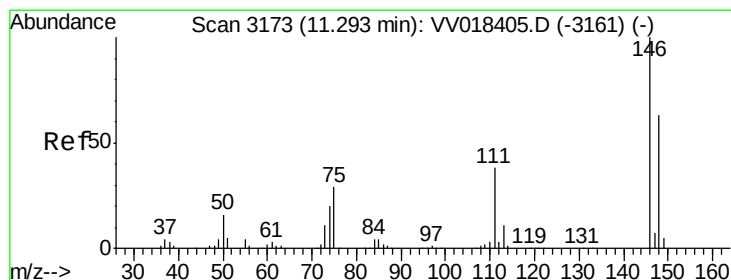
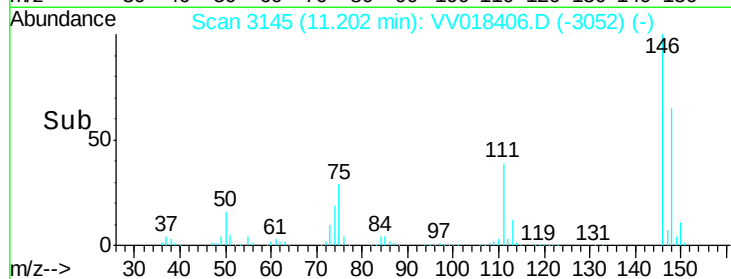
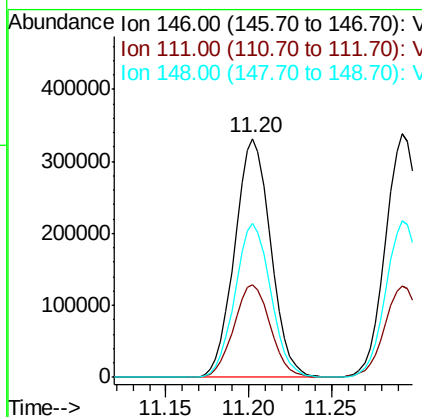
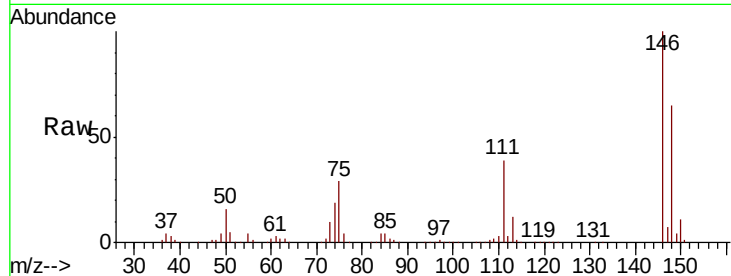




#64
 1,3-Dichlorobenzene
 Concen: 97.210 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

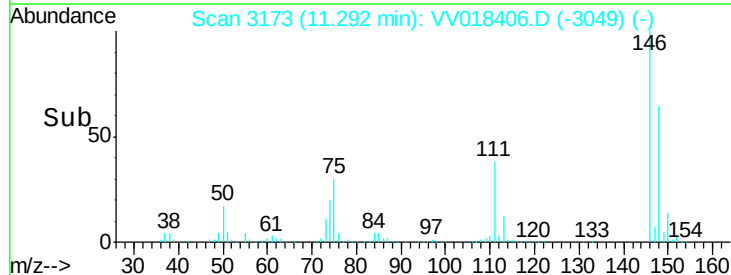
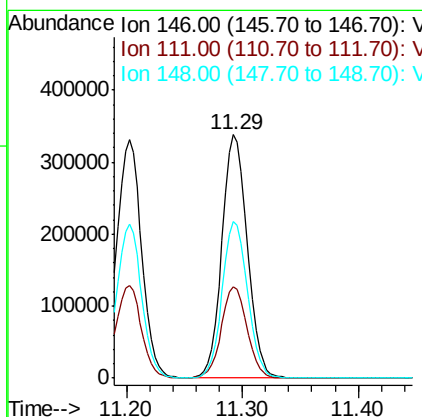
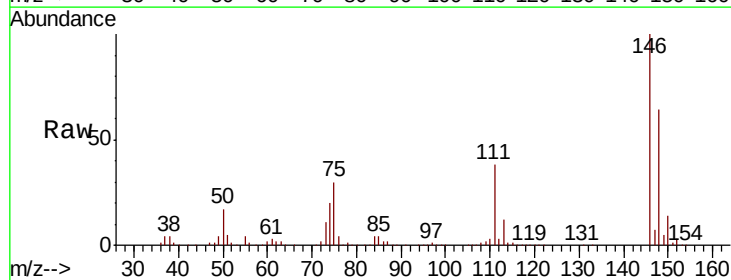
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100304

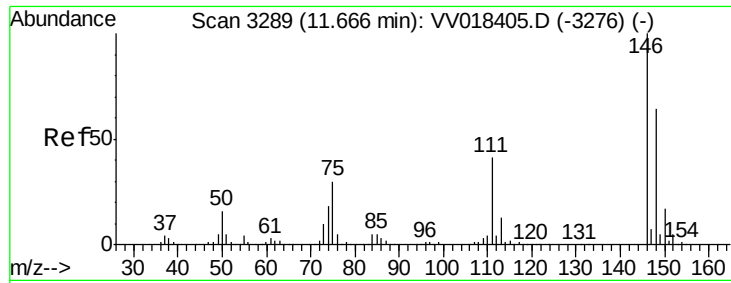
Tot Ion:146 Resp: 500708
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.6 51.4
 148 64.6 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 96.516 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

Tgt Ion:146 Resp: 511070
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.6 49.4
 148 64.3 44.3 82.3

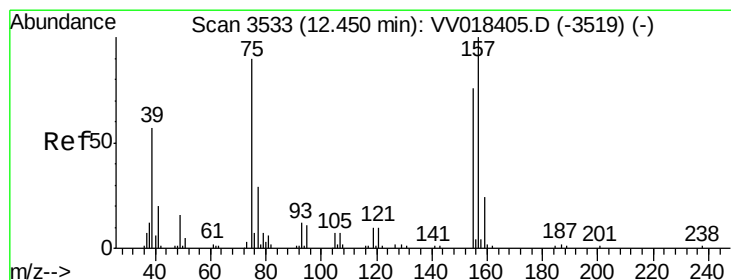
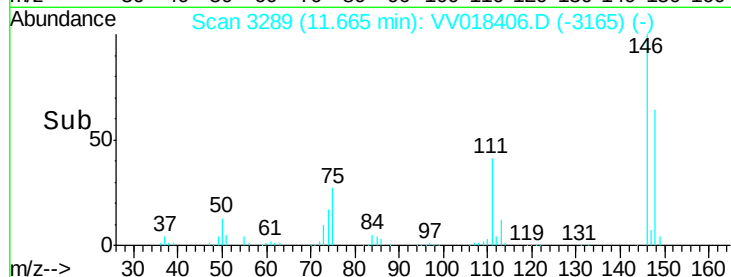
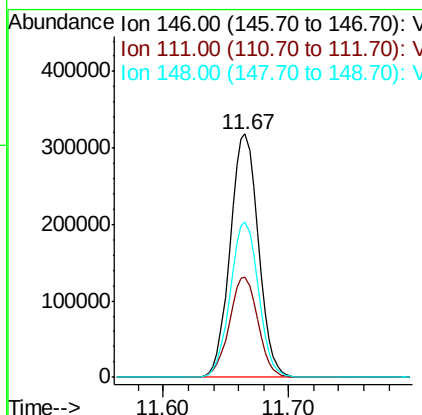
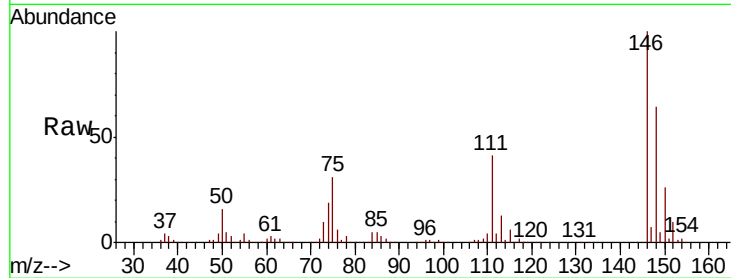




#67
 1,2-Dichlorobenzene
 Concen: 96.949 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

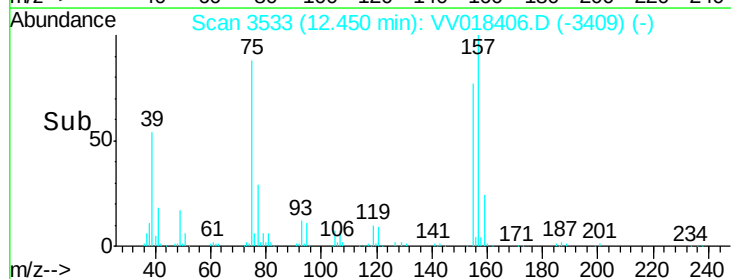
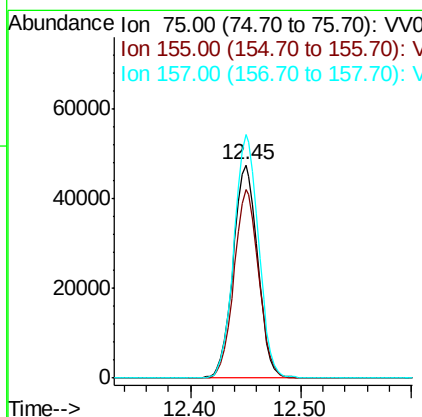
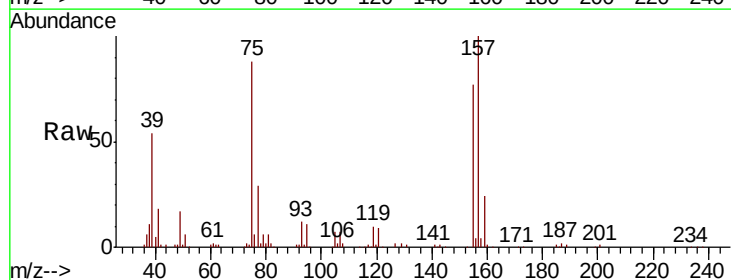
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100304

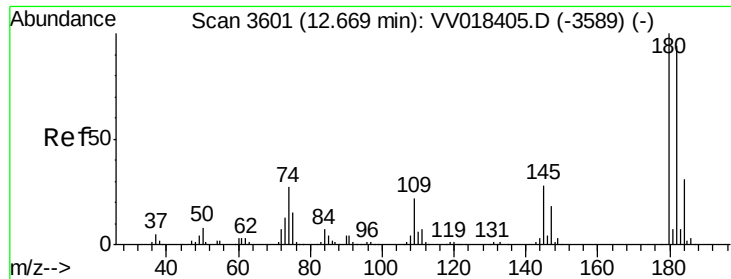
Tot Ion:146 Resp: 497074
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.6 49.0
 148 63.8 51.0 76.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 103.221 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

Tgt Ion: 75 Resp: 73685
 Ion Ratio Lower Upper
 75 100
 155 88.5 67.6 101.4
 157 114.3 88.7 133.1

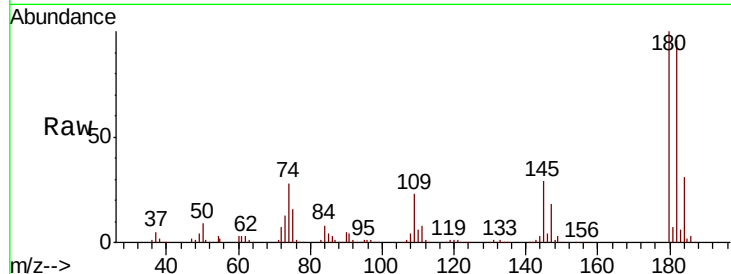




#69
 1,3,5-Trichlorobenzene
 Concen: 98.438 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100304

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	30.8	24.8	37.2
145	28.4	23.0	34.4

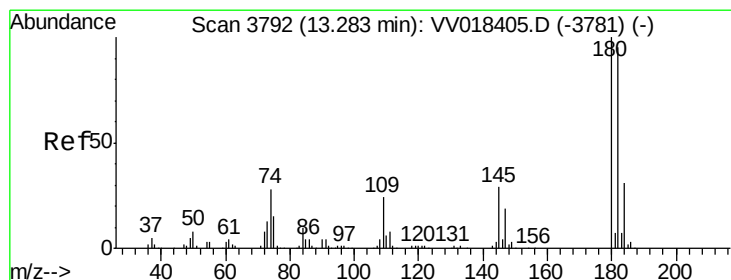
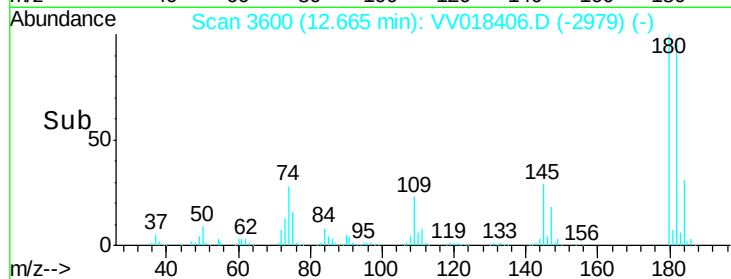
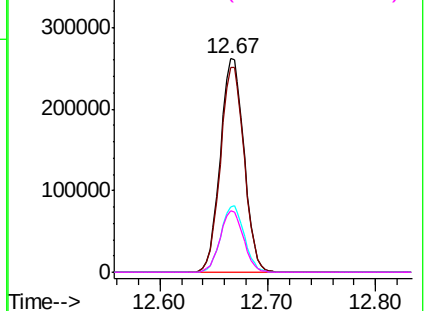


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

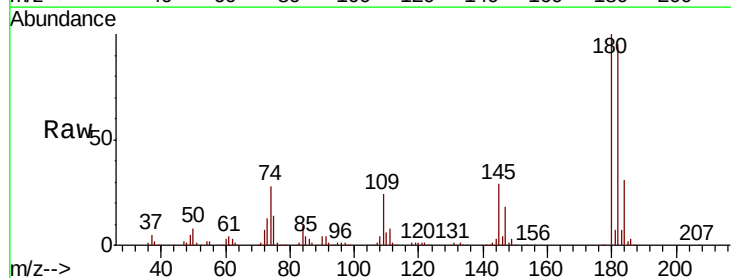
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 100.616 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018406.D
 Acq: 23 Sep 2020 11:26

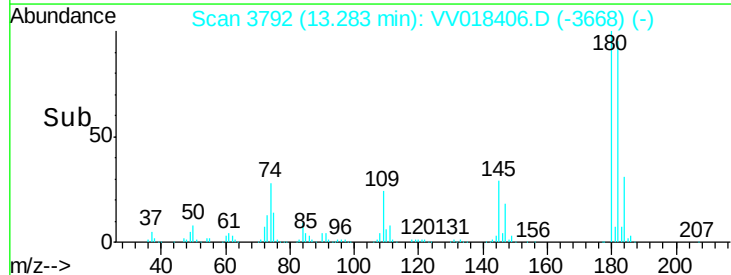
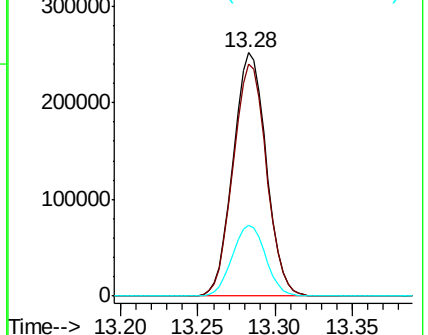
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.6
145	29.2	23.0	34.4

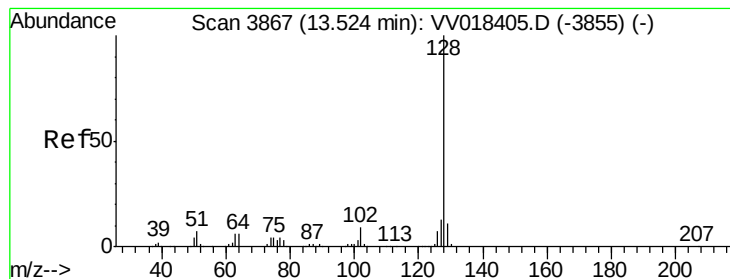


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 106.360 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100304

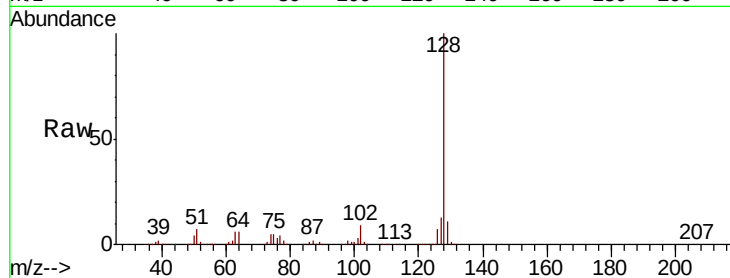
Tot Ion:128 Resp: 1066745

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

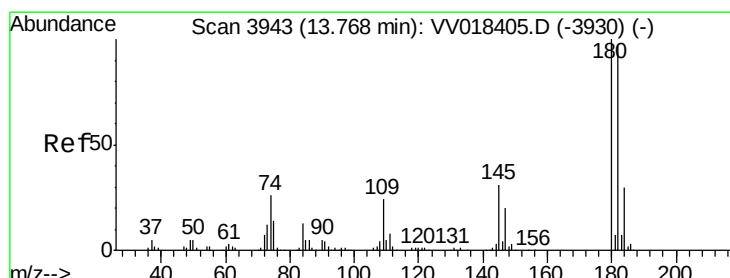
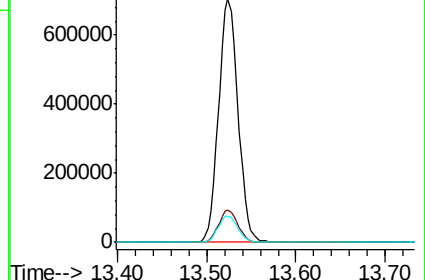
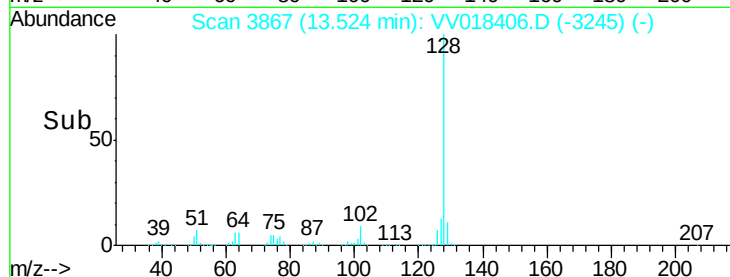
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 101.275 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018406.D

Acq: 23 Sep 2020 11:26

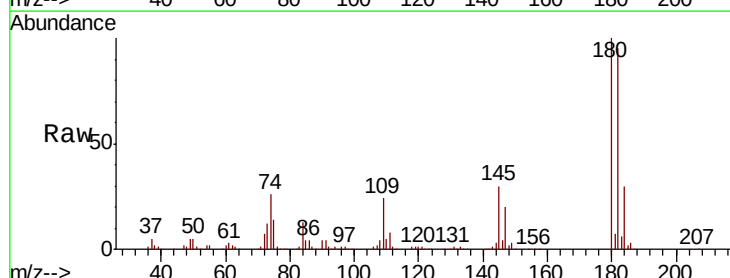
Tgt Ion:180 Resp: 376439

Ion Ratio Lower Upper

180 100

182 95.0 77.1 115.7

145 30.9 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

